OIPE
SEP 13 2002
PATENT & TRADEMARK

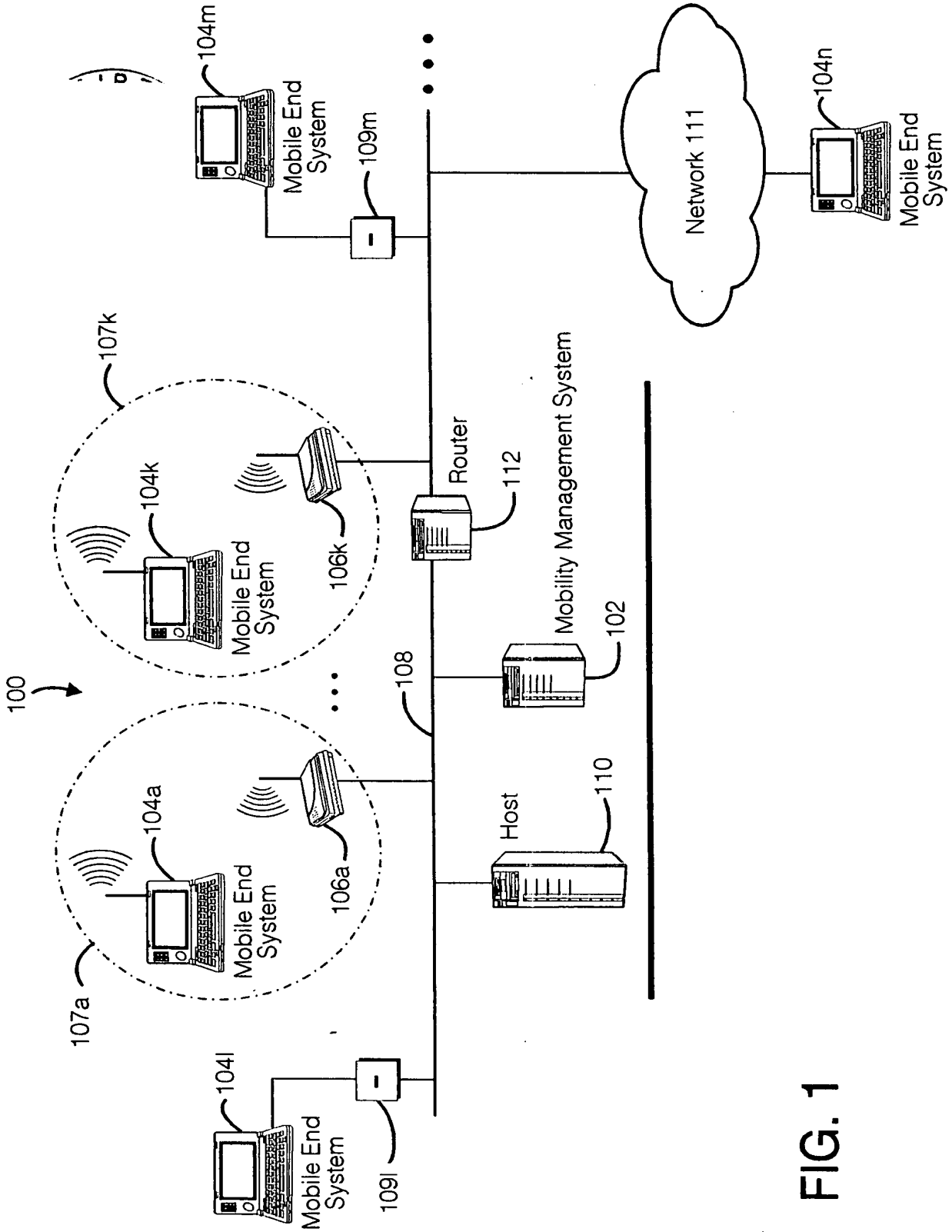


FIG. 1

PATENT & TRADEMARK OFFICE
SEP 13 2002

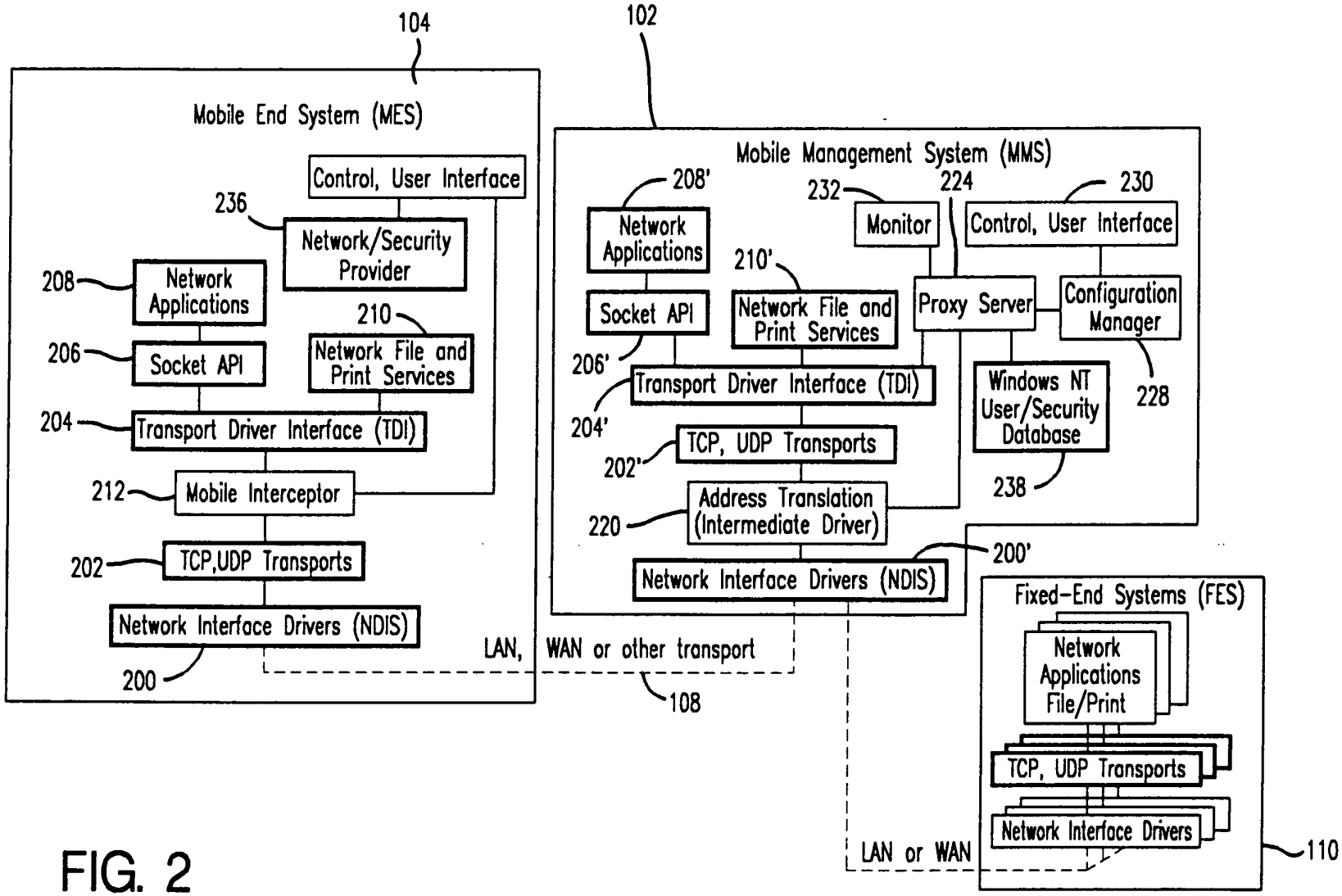


FIG. 2

Inventor: HANSON et al.
SN 09/660,500/Sheet 2 of 38
Atty. Dkt.: 3978-2

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE
JC99

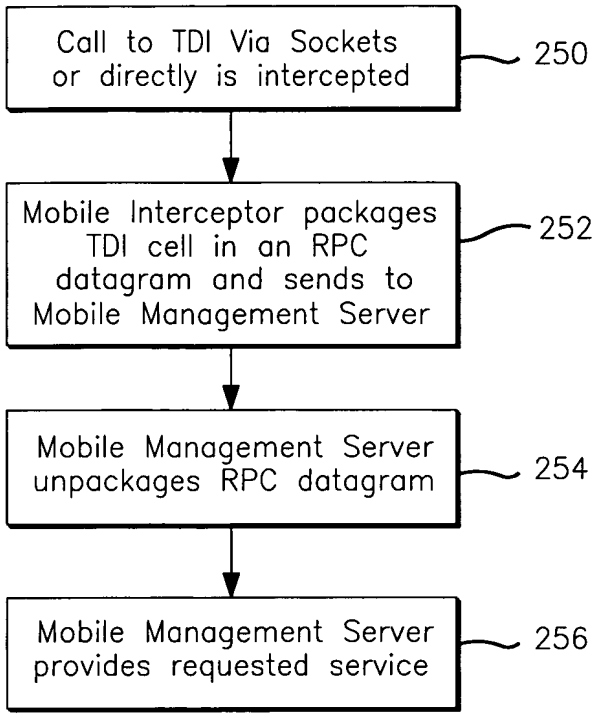


FIG. 2A

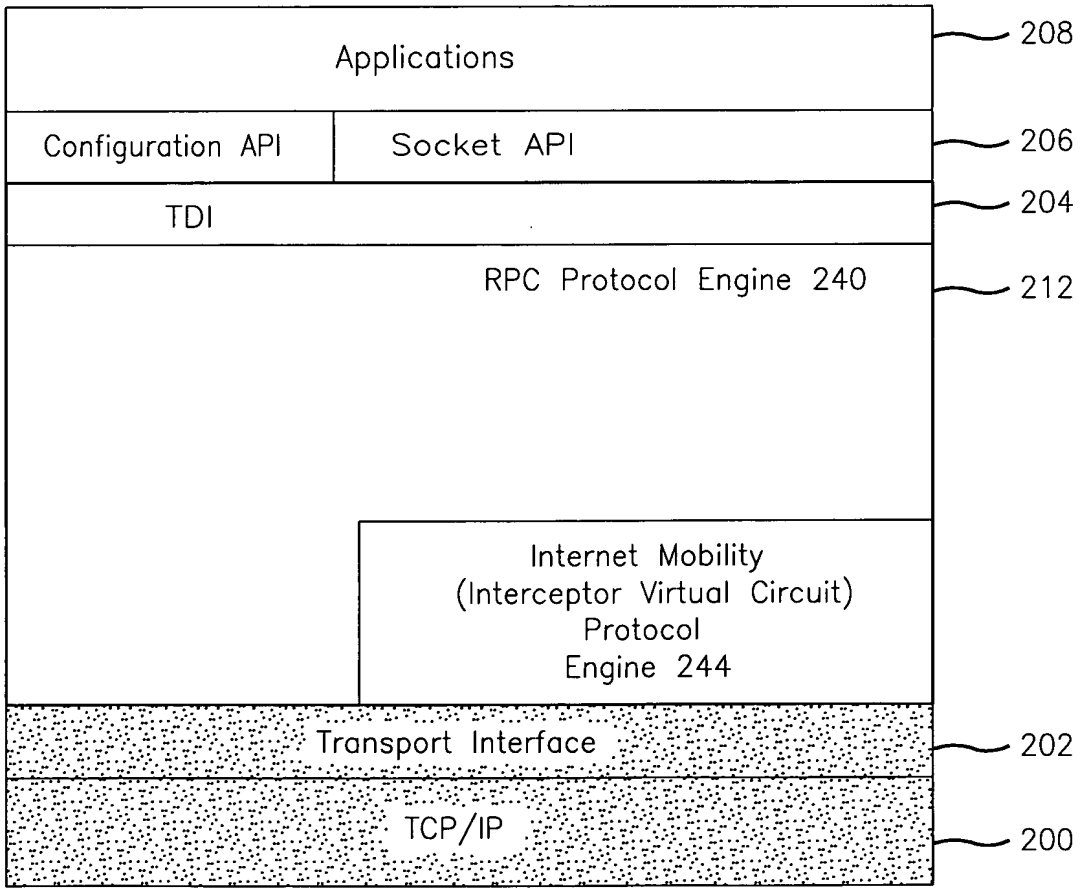


FIG. 3

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE
JC99

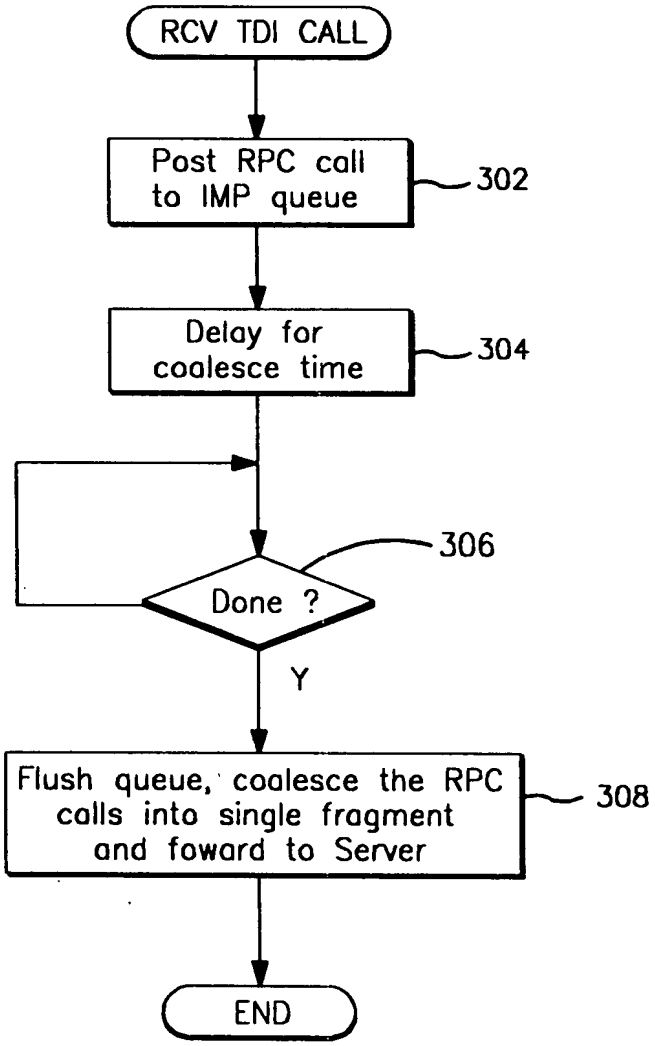


FIG. 3A

OIPE
SEP 13 2002
PATENT & TRADEMARK OFFICE

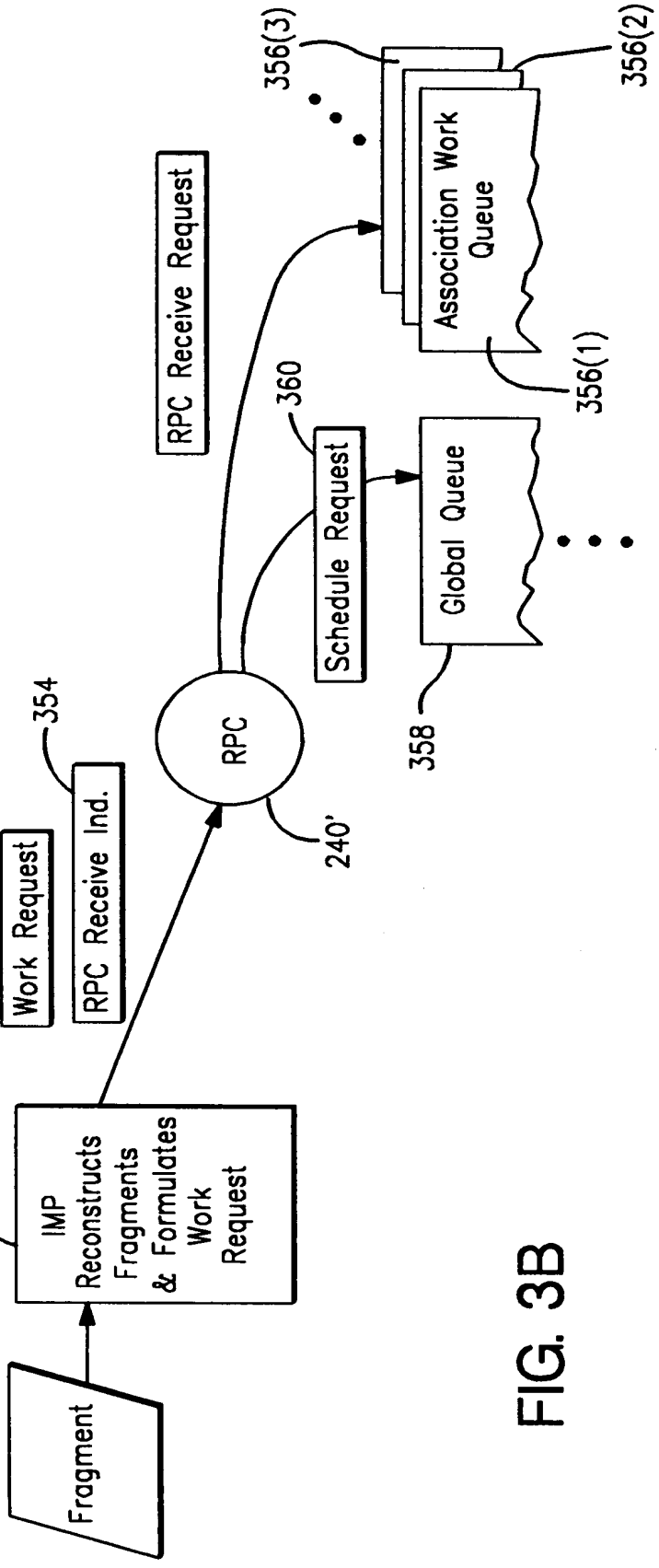


FIG. 3B

OIPE
SEP 1 3 2002
JC99
PATENT & TRADEMARK OFFICE

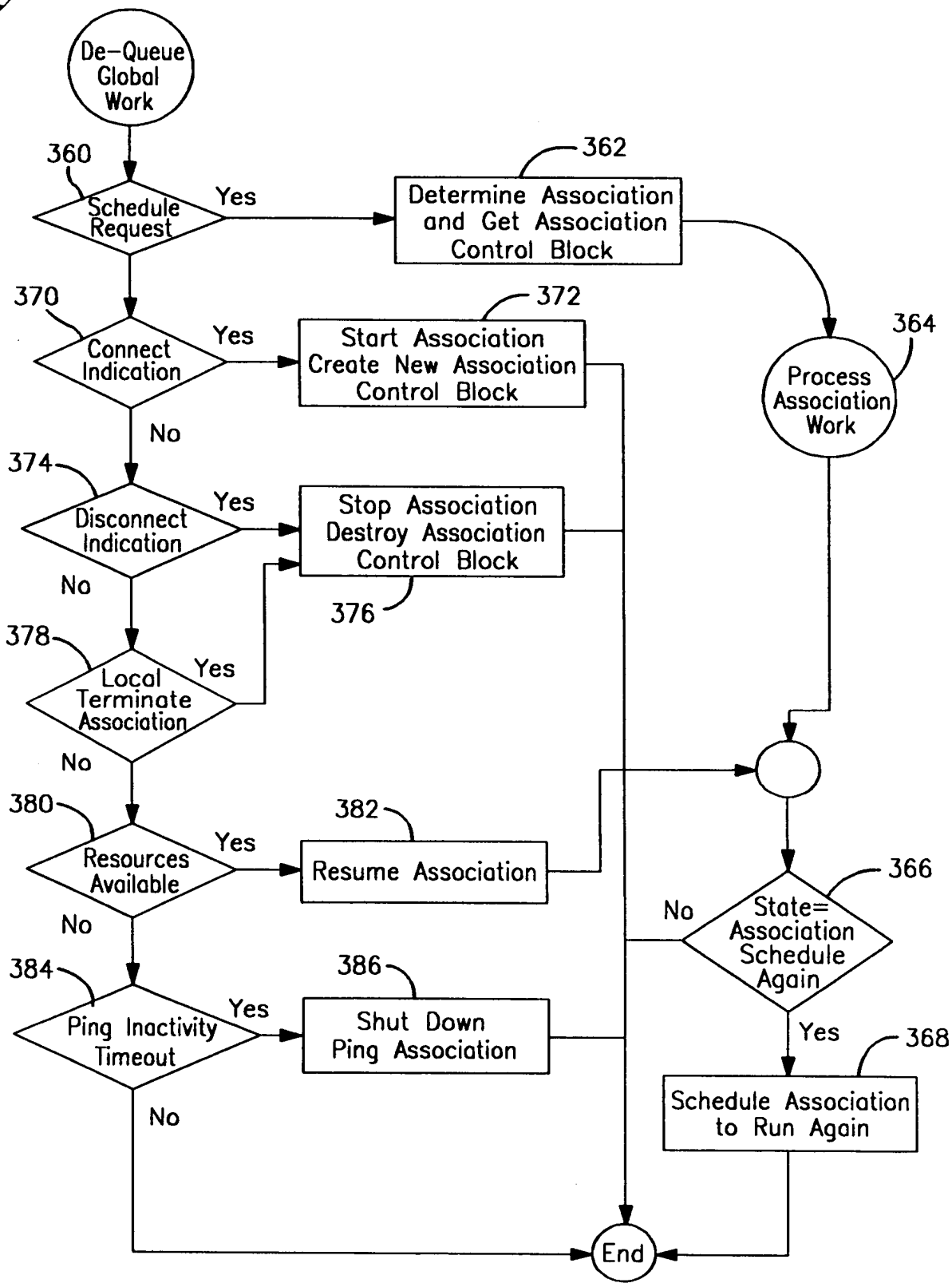


FIG. 4

OIPE JC99
SEP. 13 2002
PATENT & TRADEMARK OFFICE

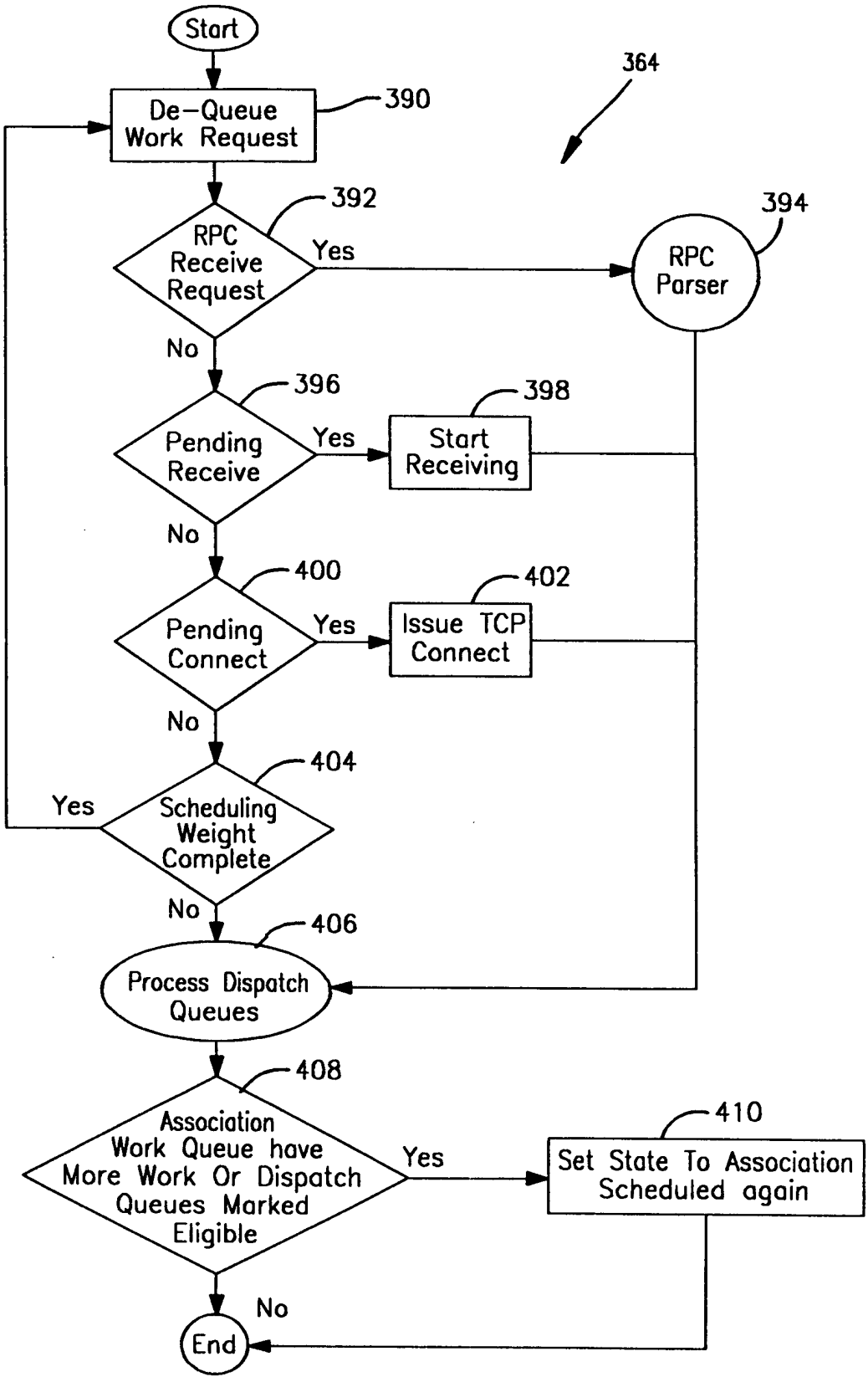


FIG. 5 Process Association Work

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE
JC69

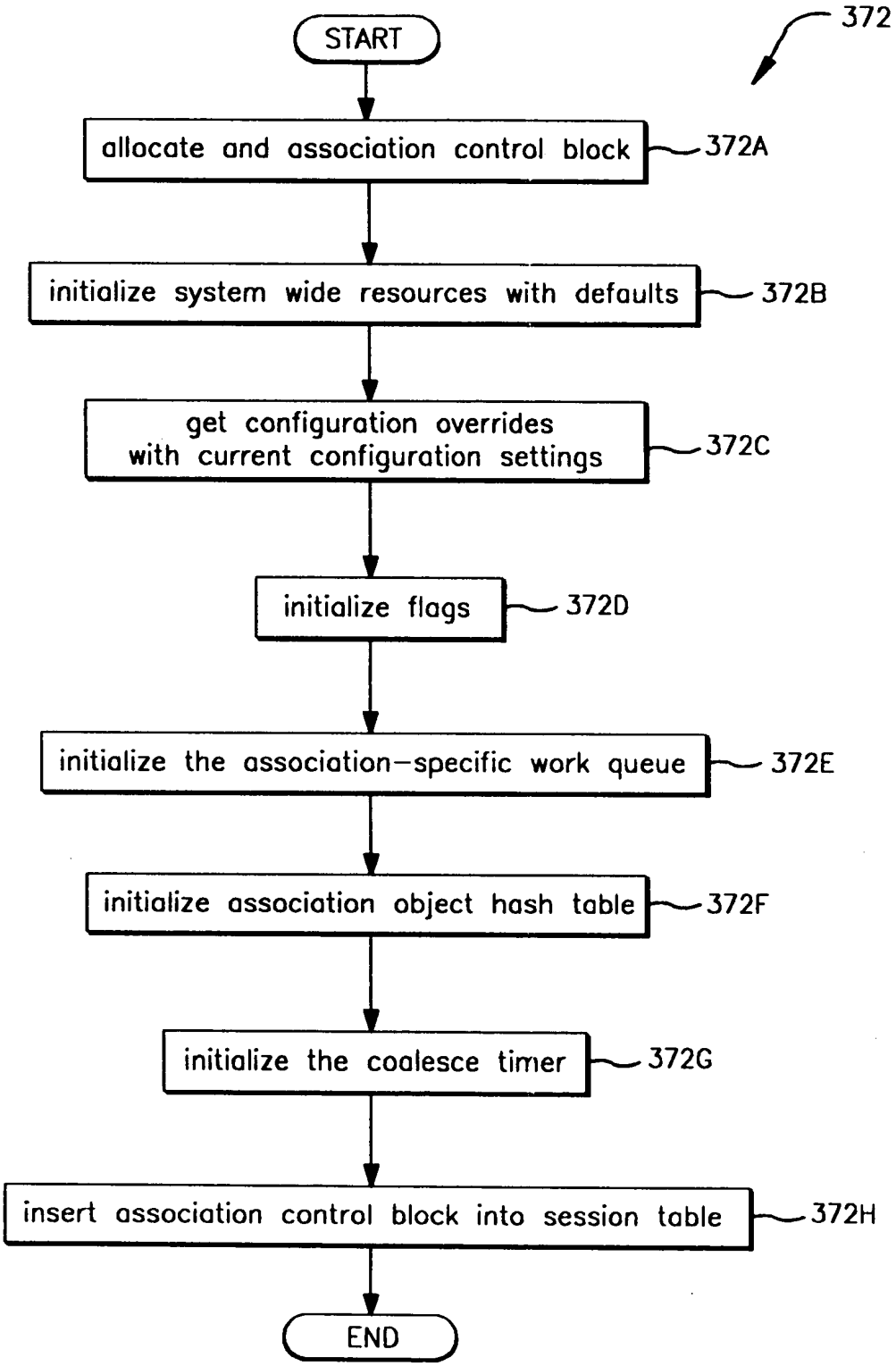


FIG. 5A

OIPE
SEP 13 2002
PATENT & TRADEMARK OFFICE

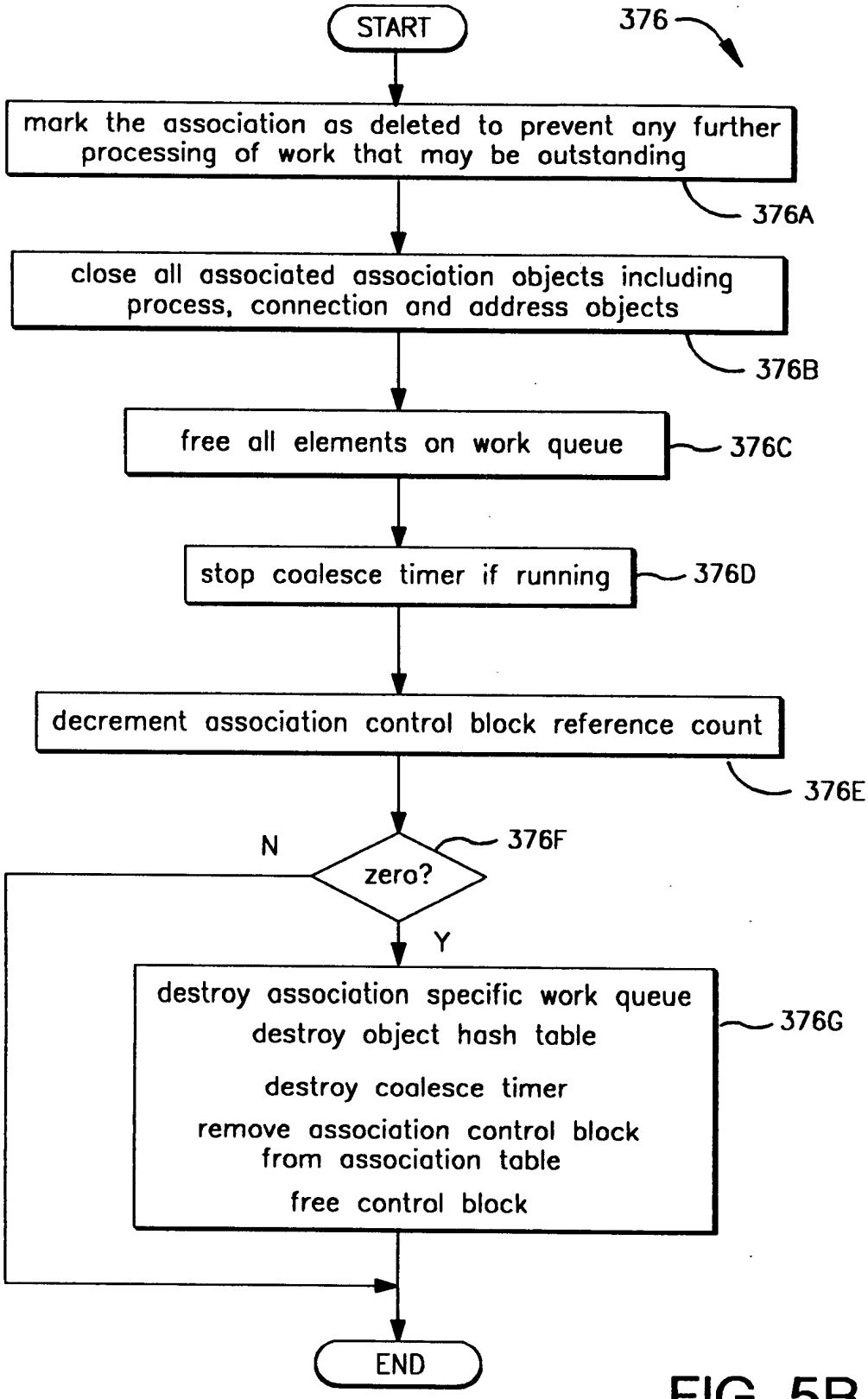


FIG. 5B

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE

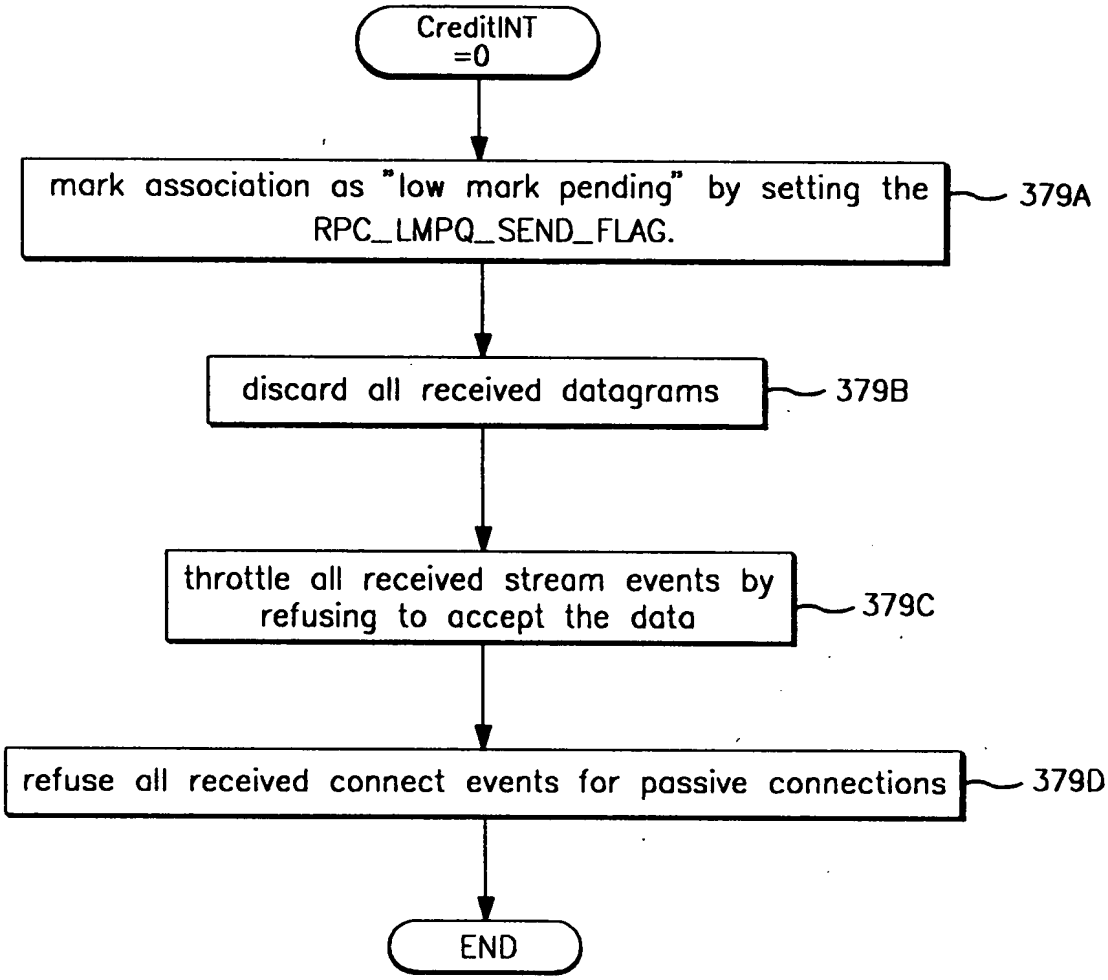


FIG. 5C

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE

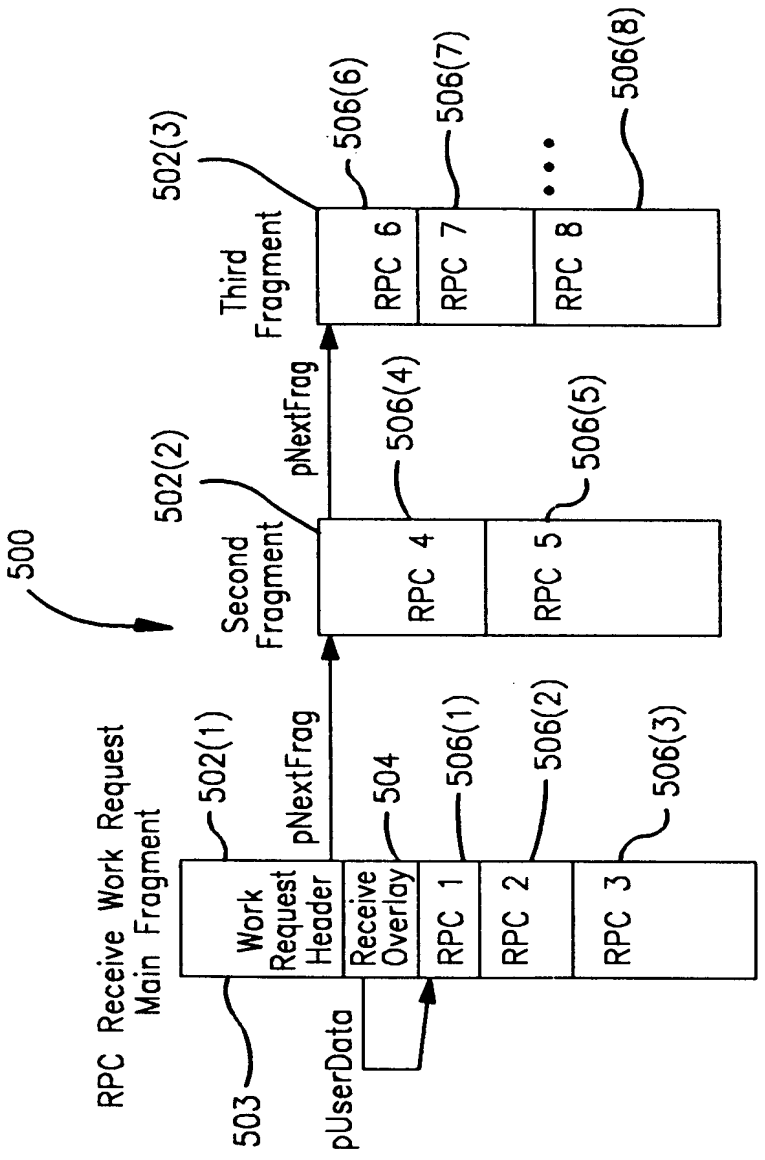


FIG. 6

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE
JC968

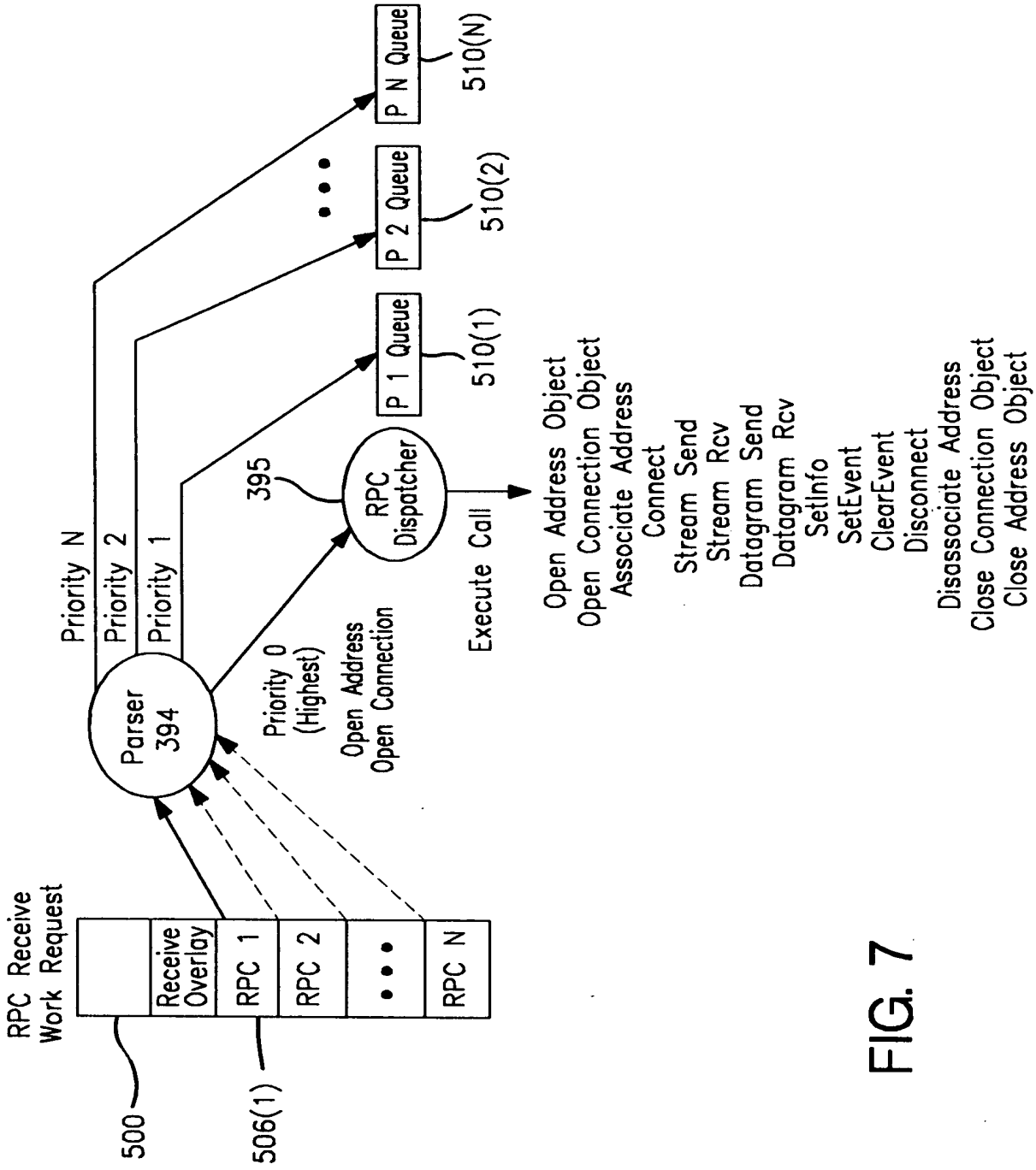


FIG. 7

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE
JC89

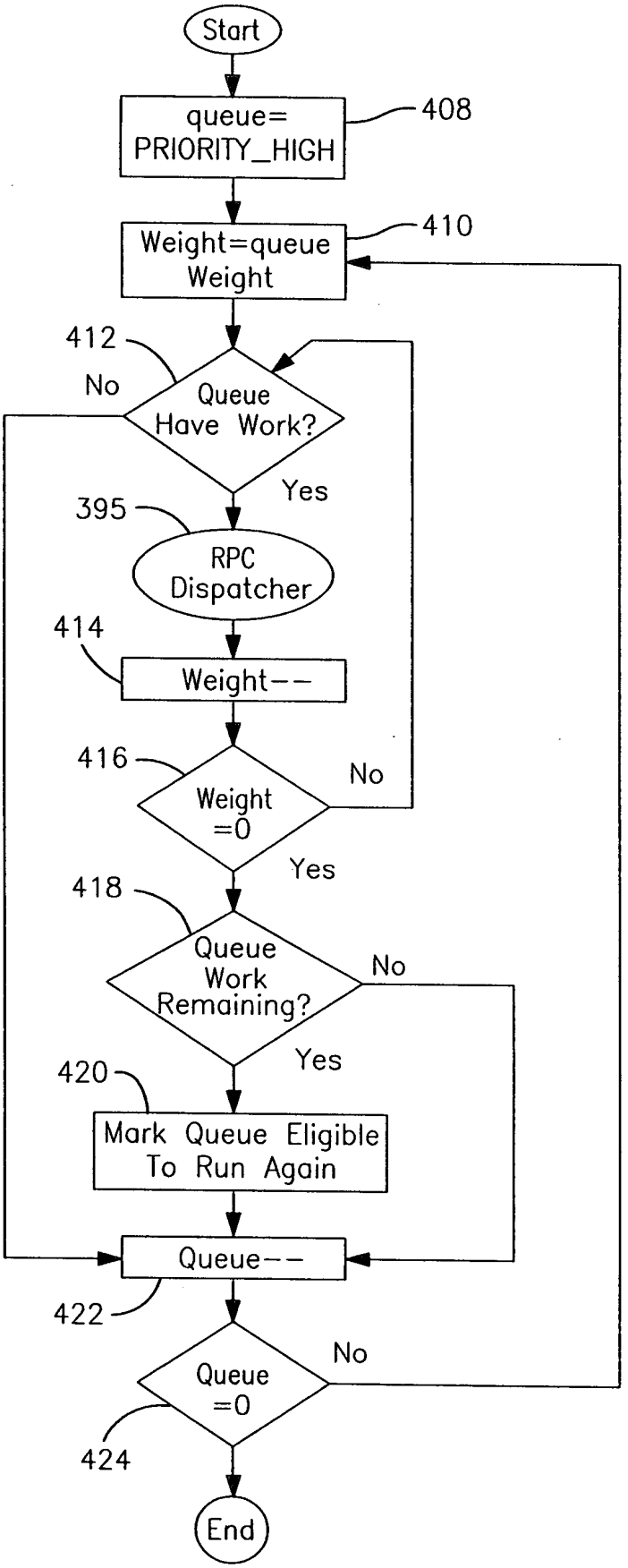


Fig. 8
Process Priority Dispatch Queues

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE

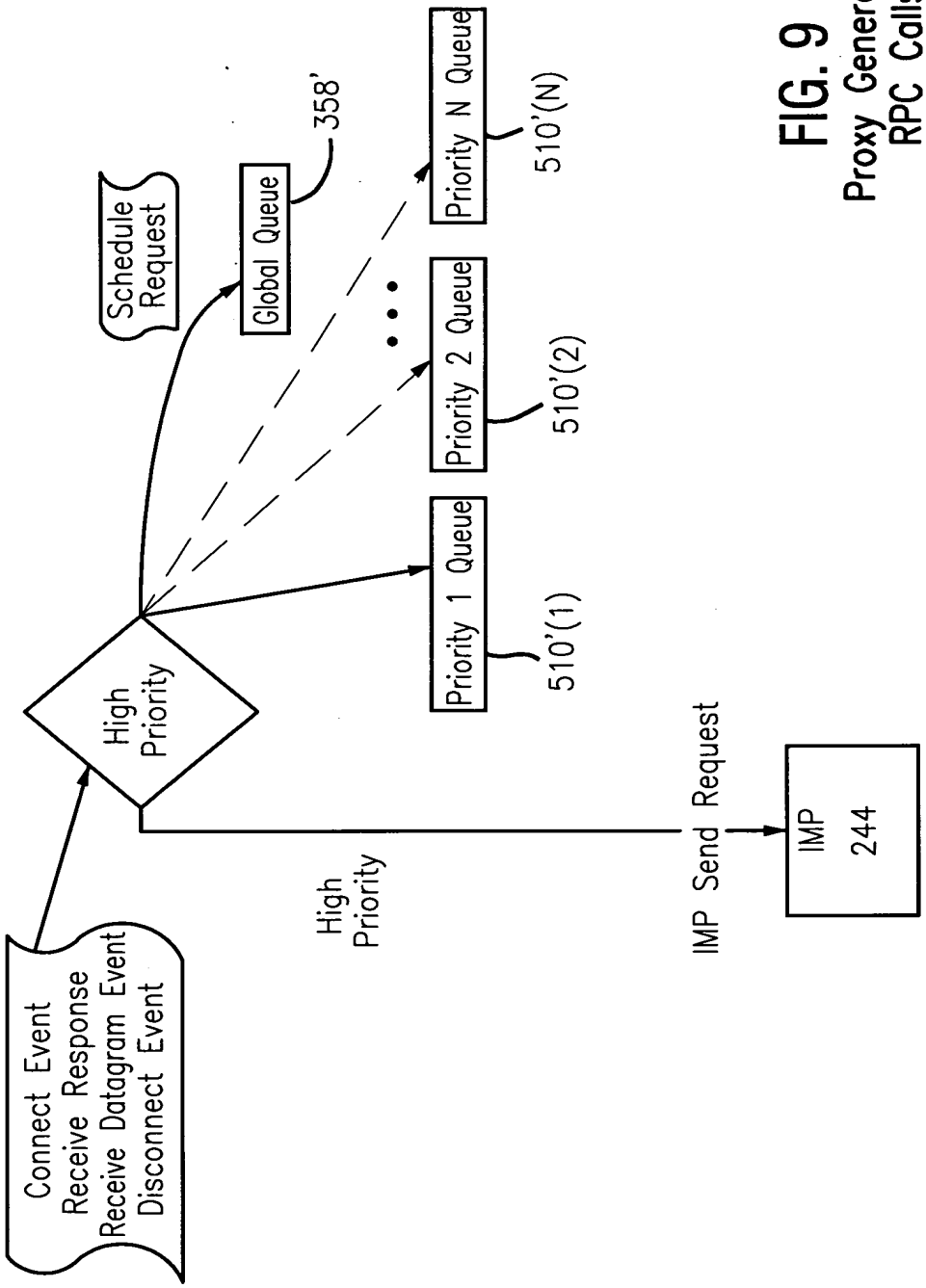
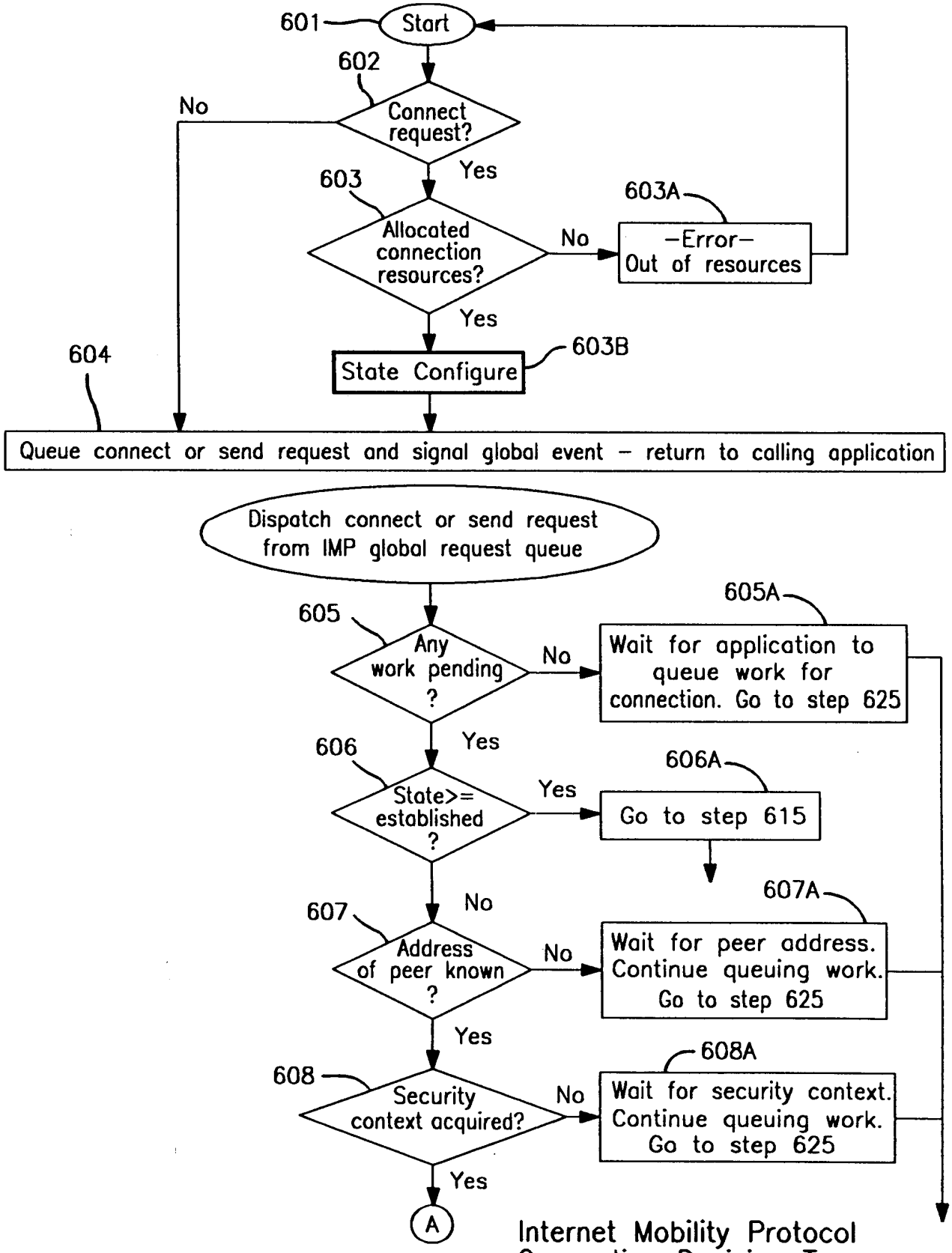


FIG. 9
Proxy Generated RPC Calls

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE



Internet Mobility Protocol Connection Decision Tree.

FIG. 10A Connect and Send request logic

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE

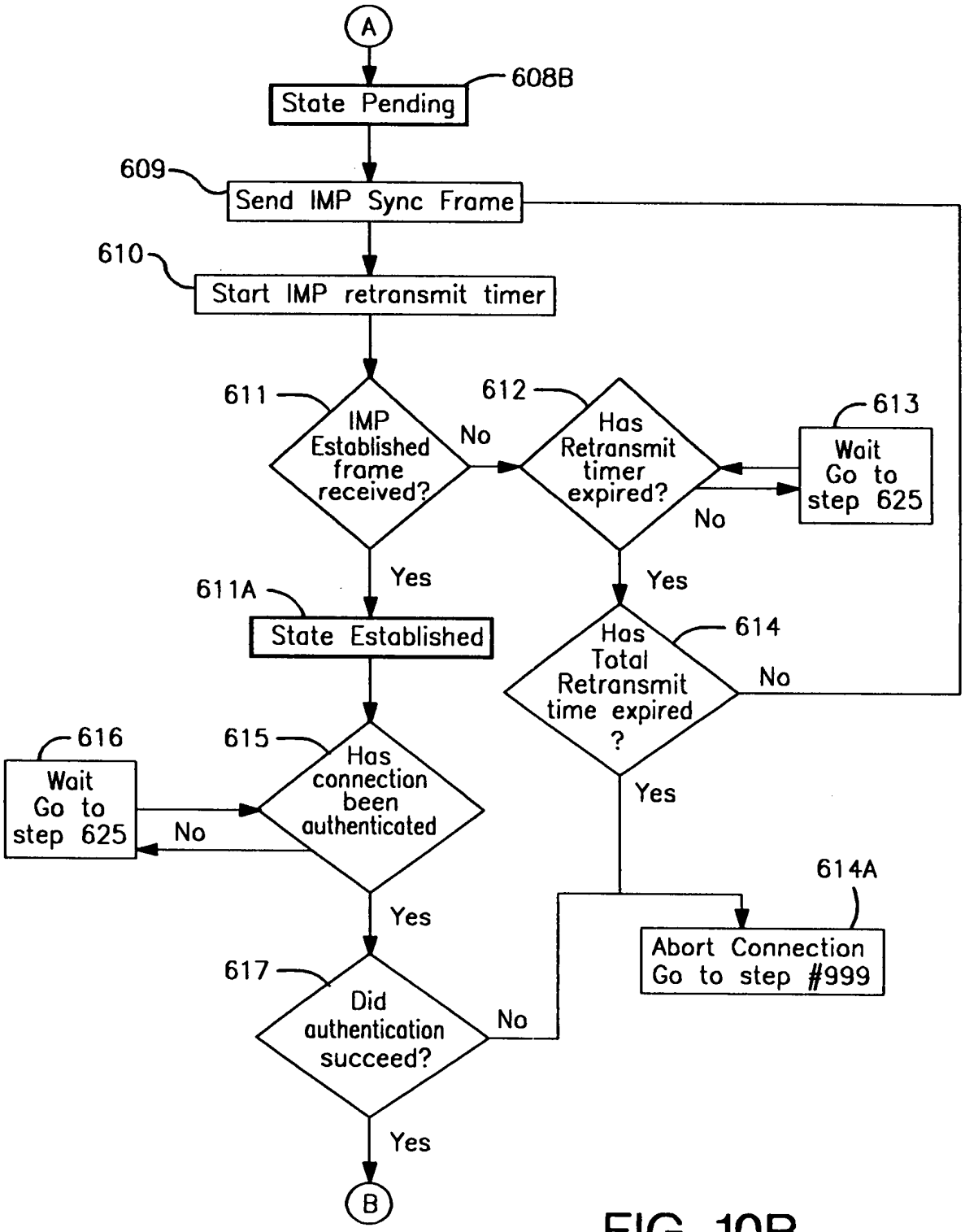


FIG. 10B

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE 600

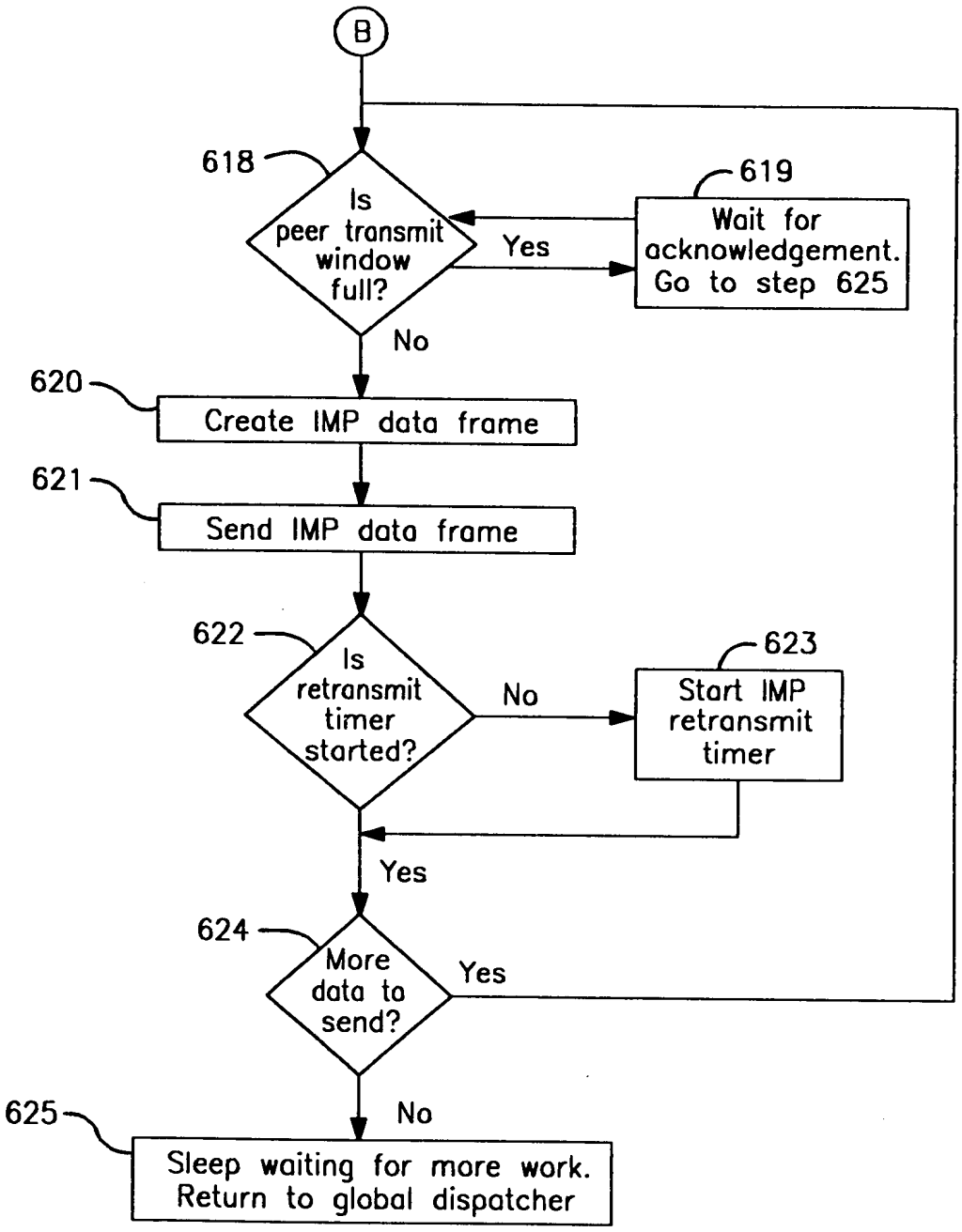


FIG. 10C

OIPE
SEP 1 3 2002
JC99
PATENT & TRADEMARK OFFICE

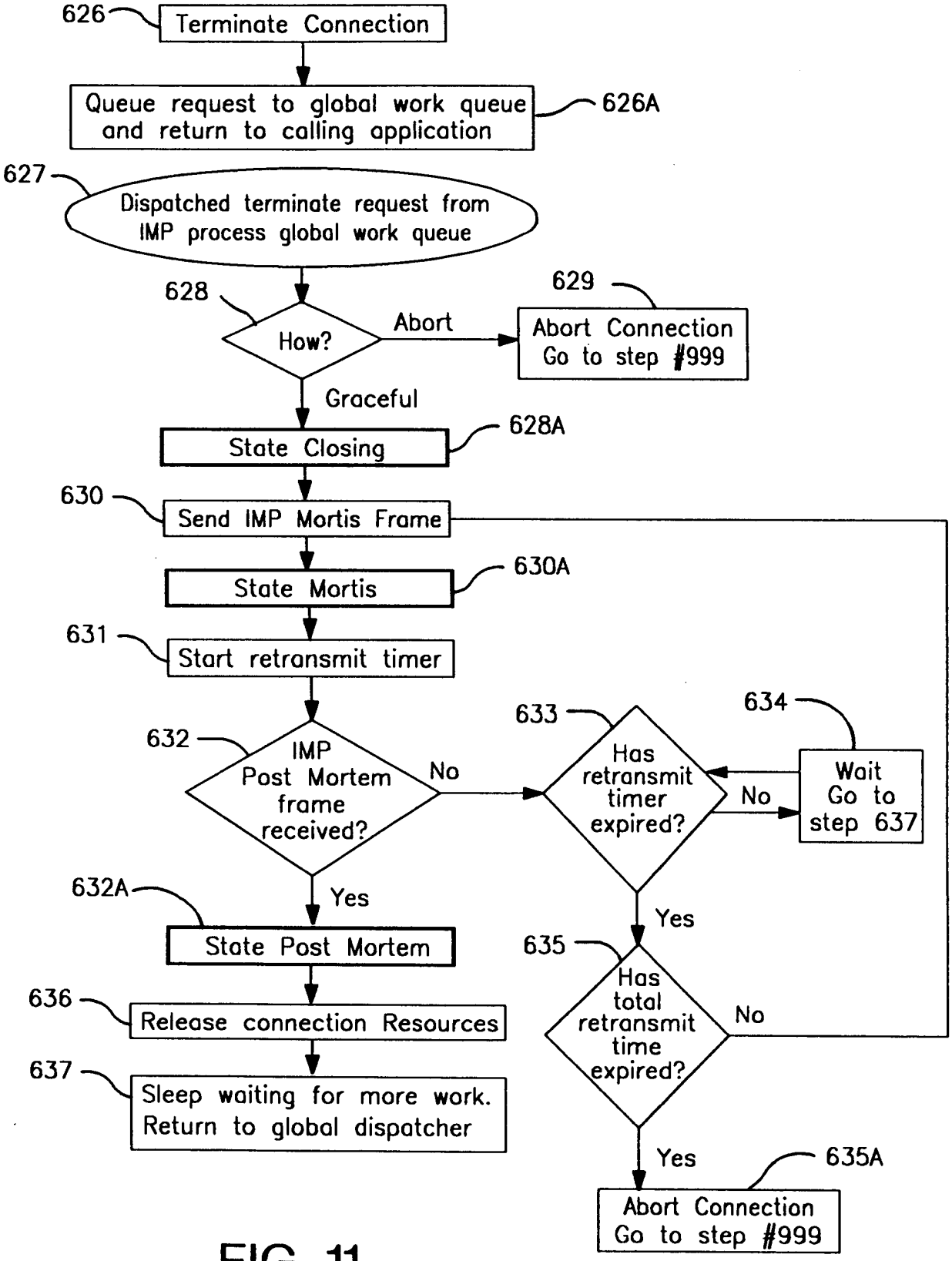


FIG. 11
Terminate Connection request logic

O.I.P.E
SEP 13 2002
PATENT & TRADEMARK OFFICE
JC99

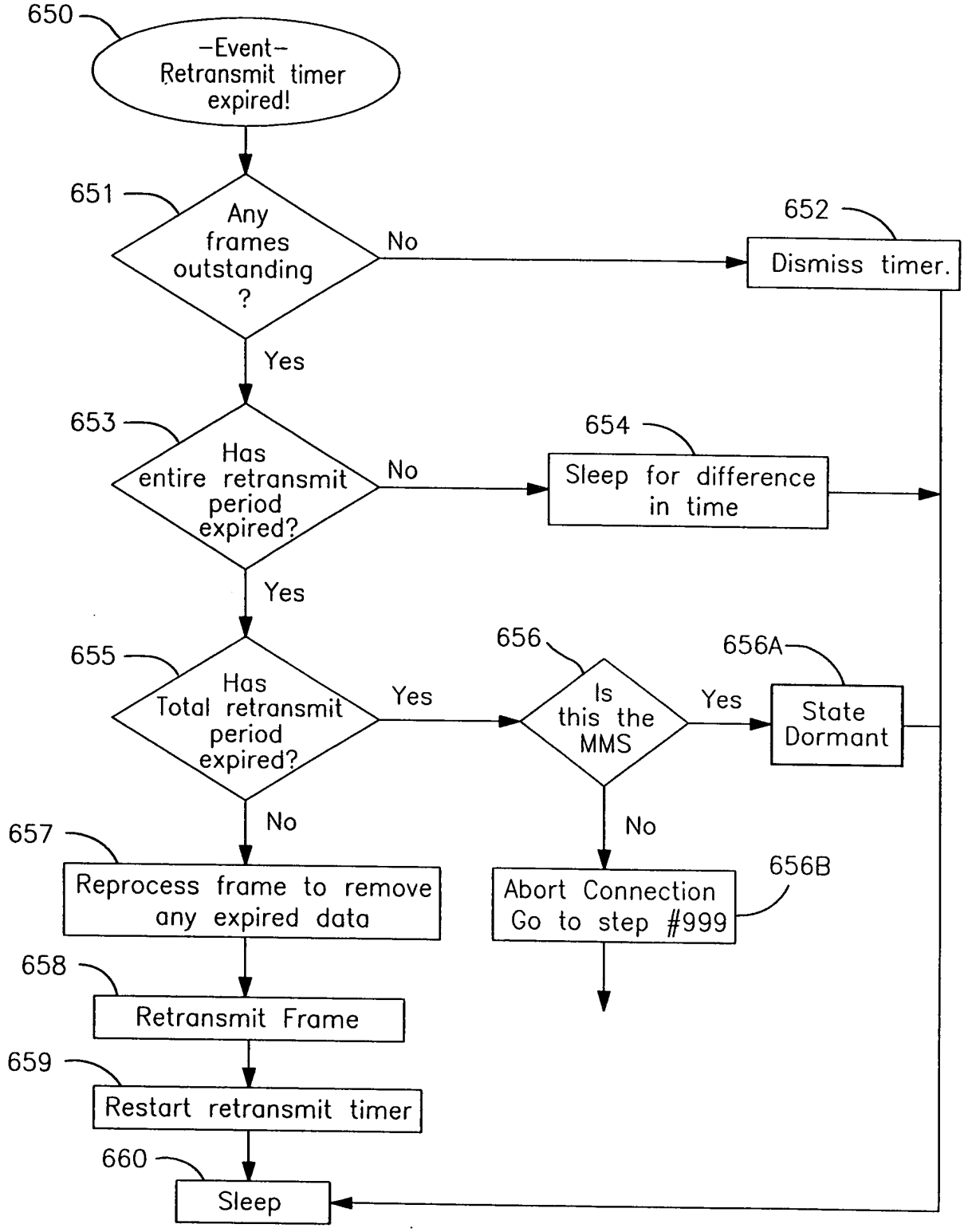


Fig. 12

Retransmit Event Logic

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE

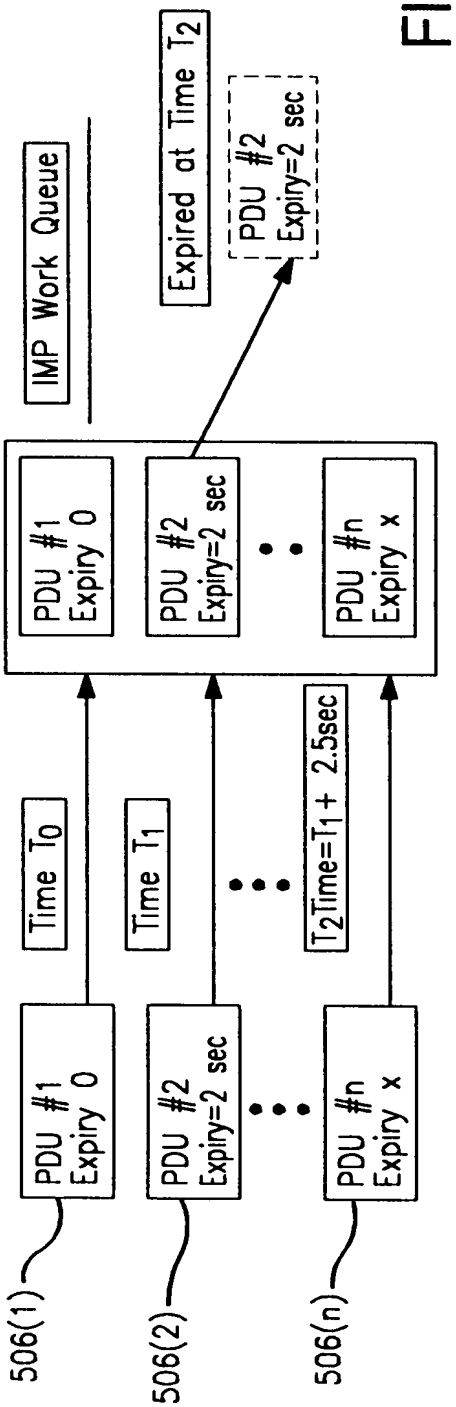


FIG. 12A

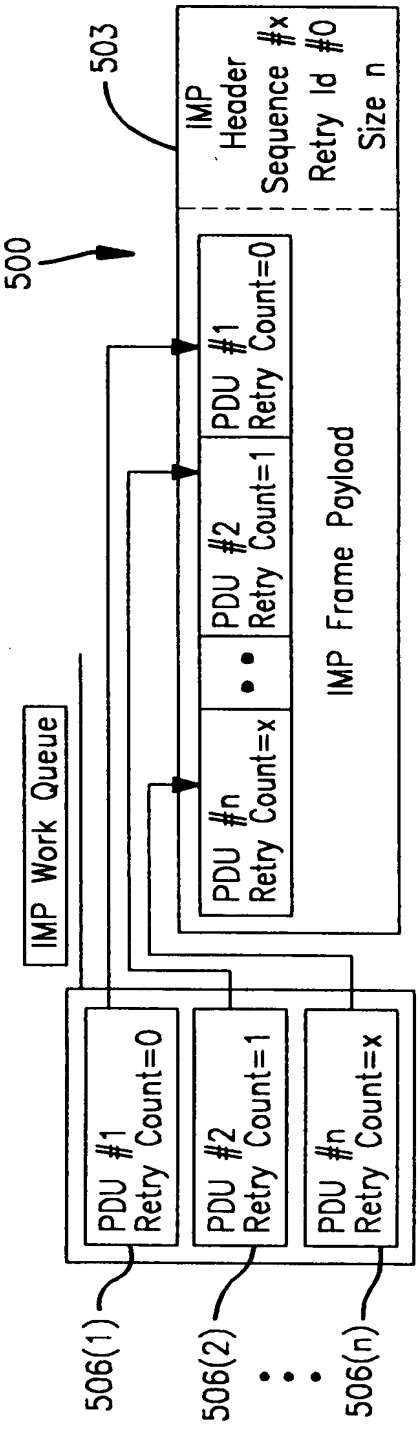


FIG. 12B

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE

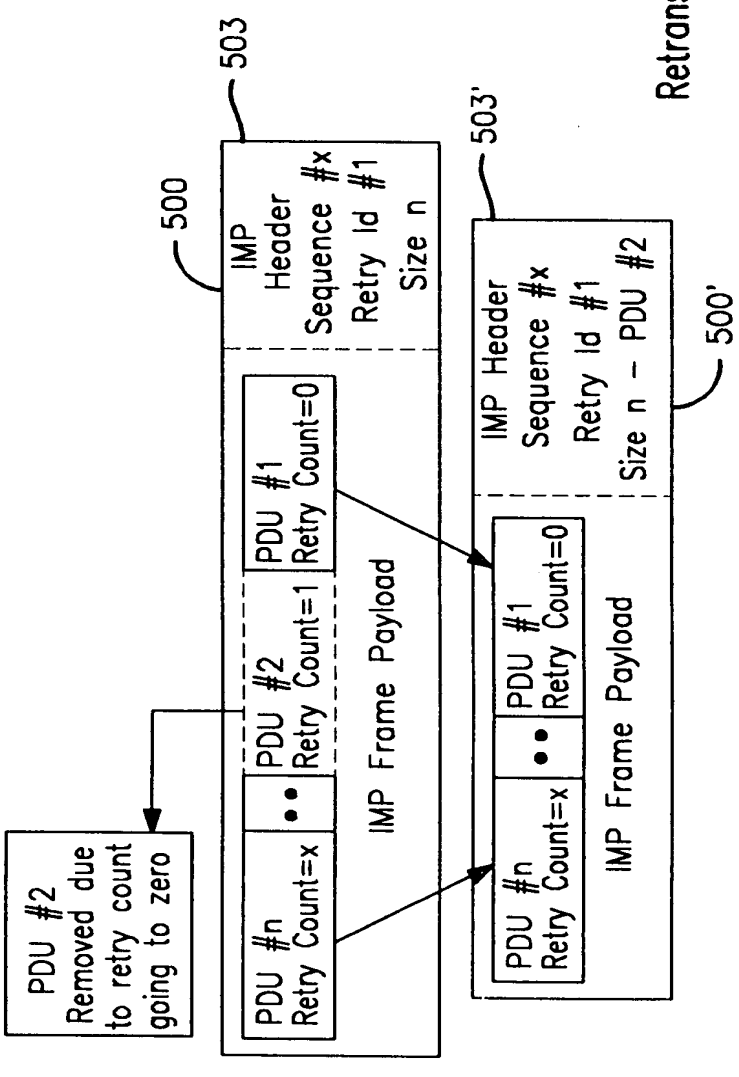


FIG. 12C
Retransmission of IMP Frame

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE

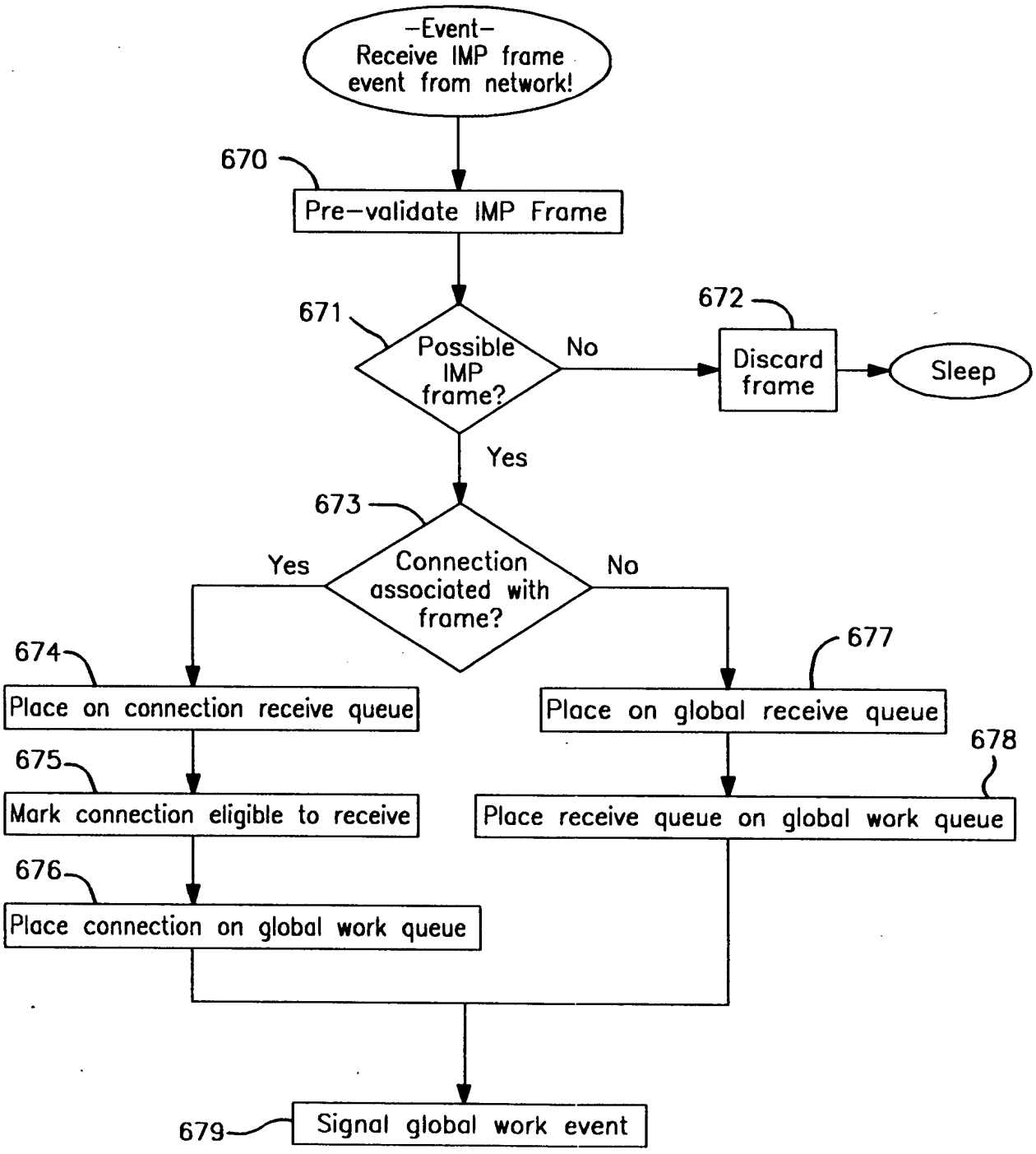


FIG. 13A
Receive Event Logic

OIPE JC09 SEP 13 2002 PATENT & TRADEMARK OFFICE

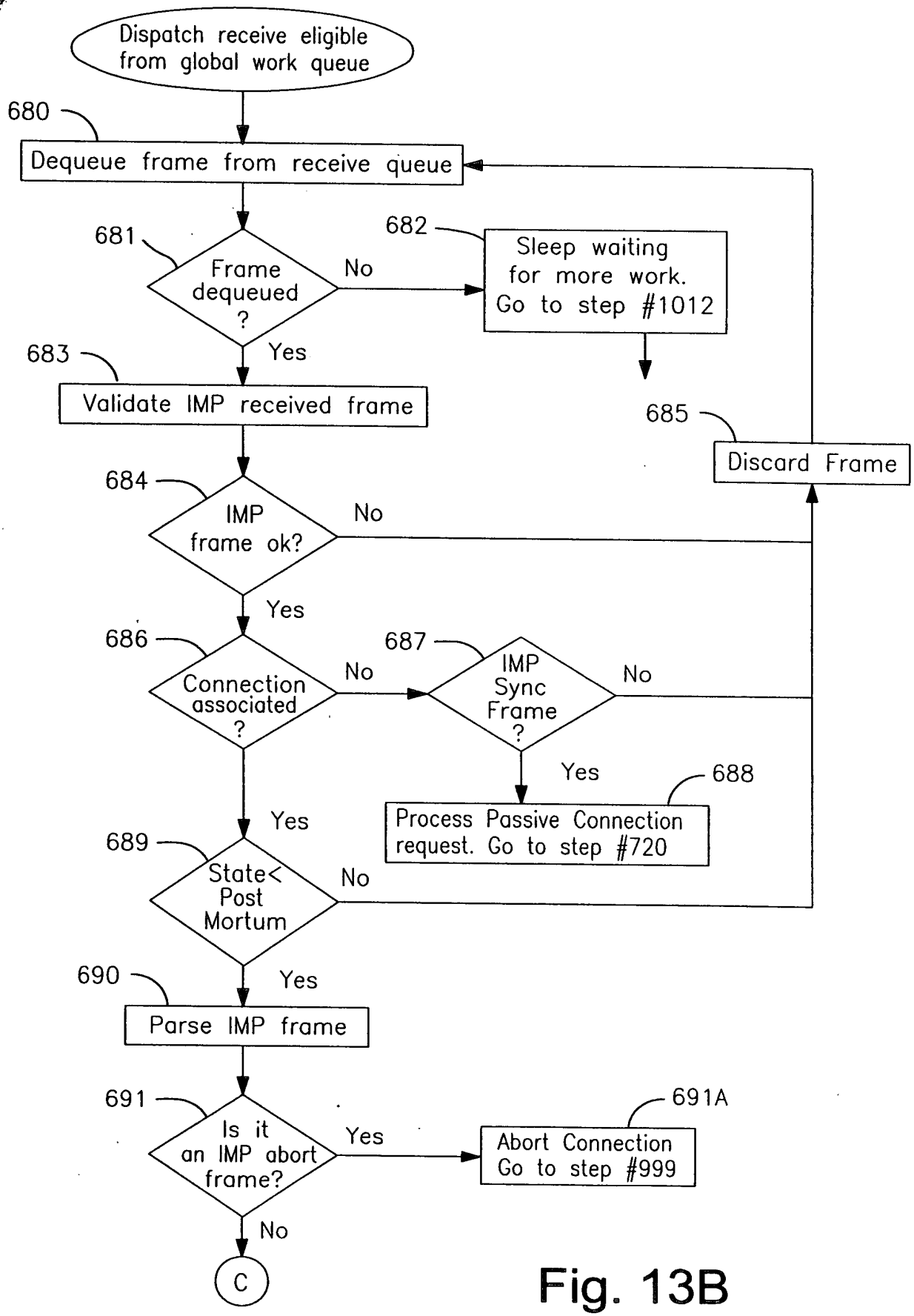


Fig. 13B

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE

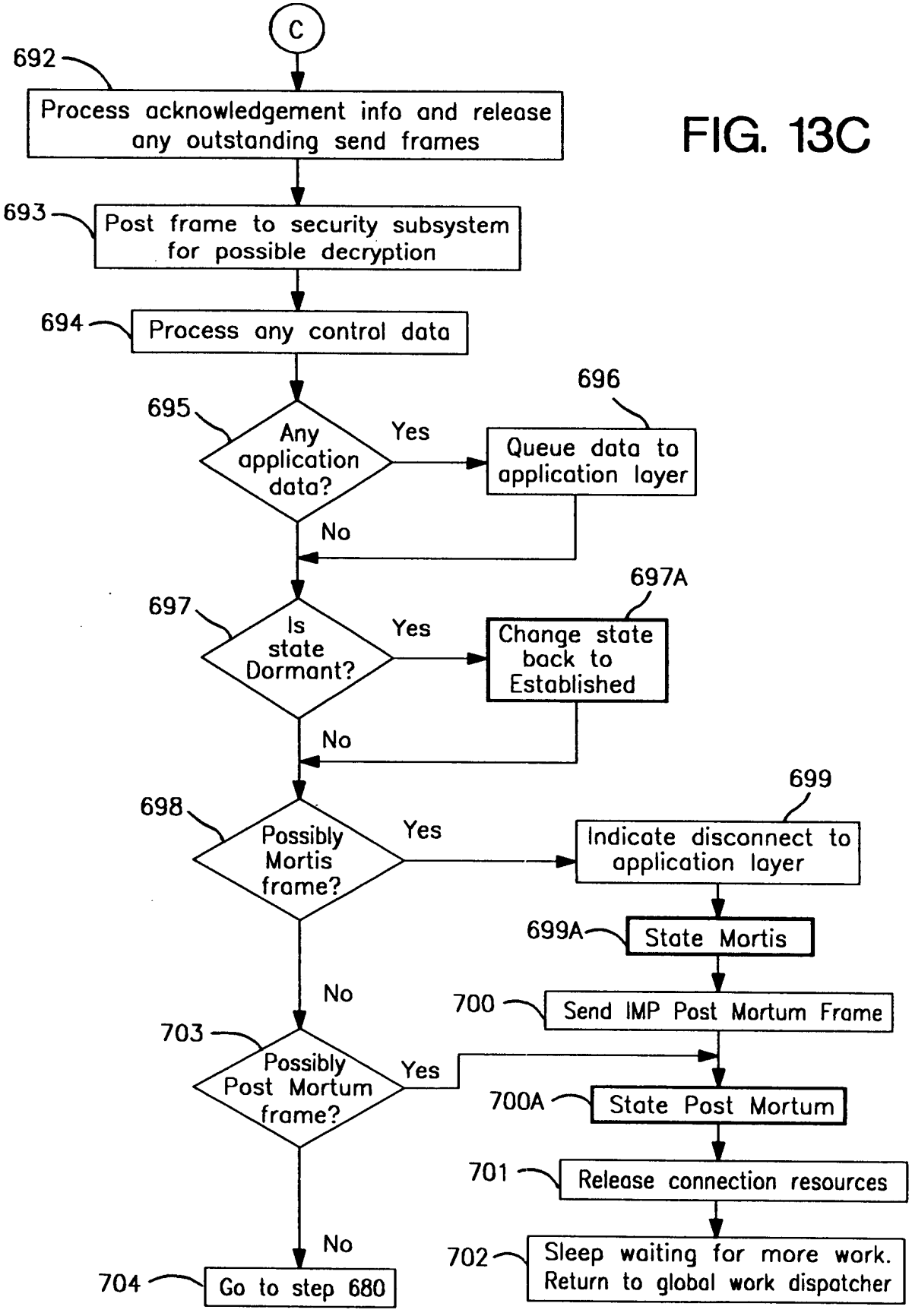


FIG. 13C

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE

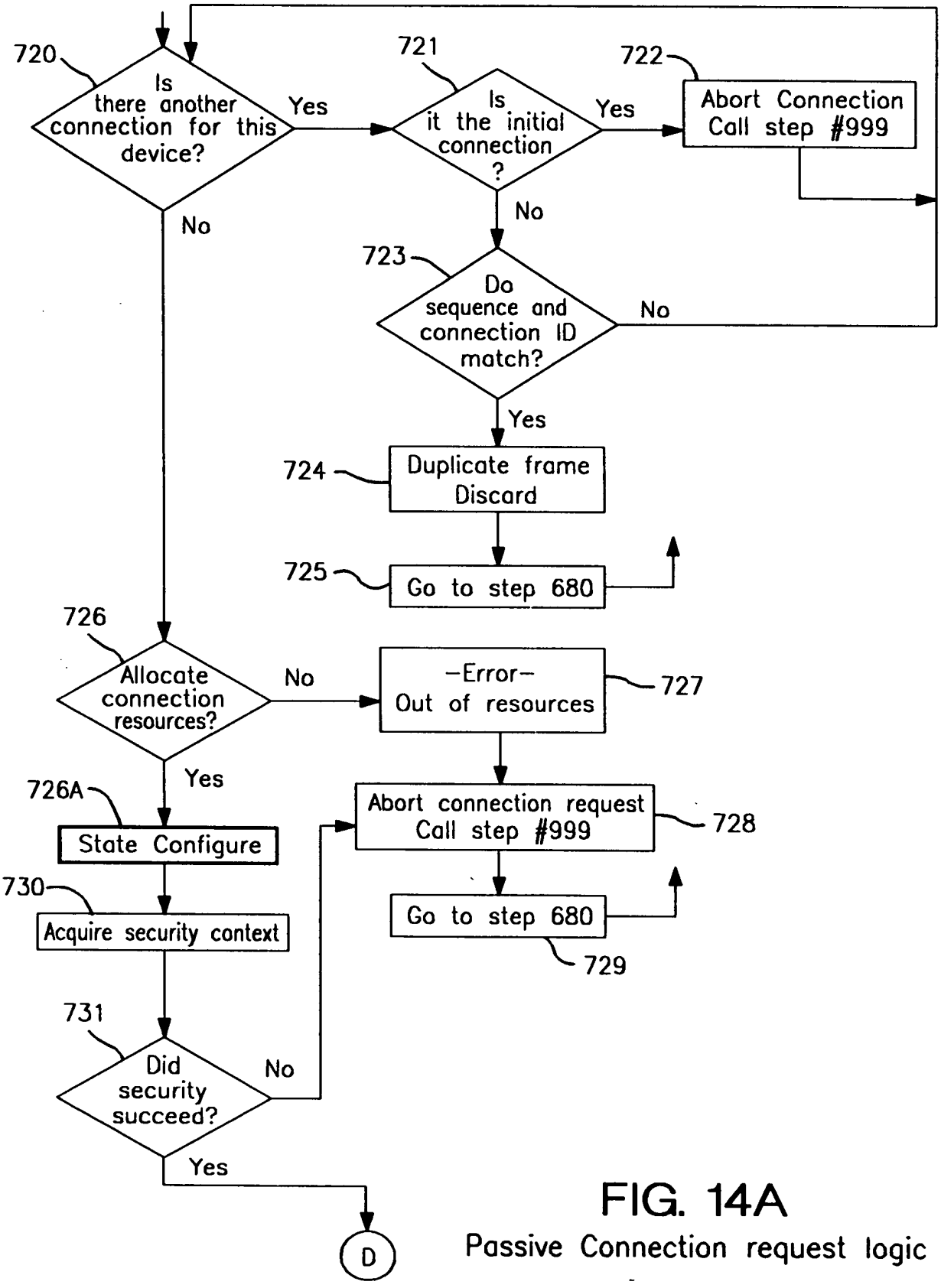


FIG. 14A
Passive Connection request logic

OIPE
SEP 1 3 2002
PATENT & TRADEMARK

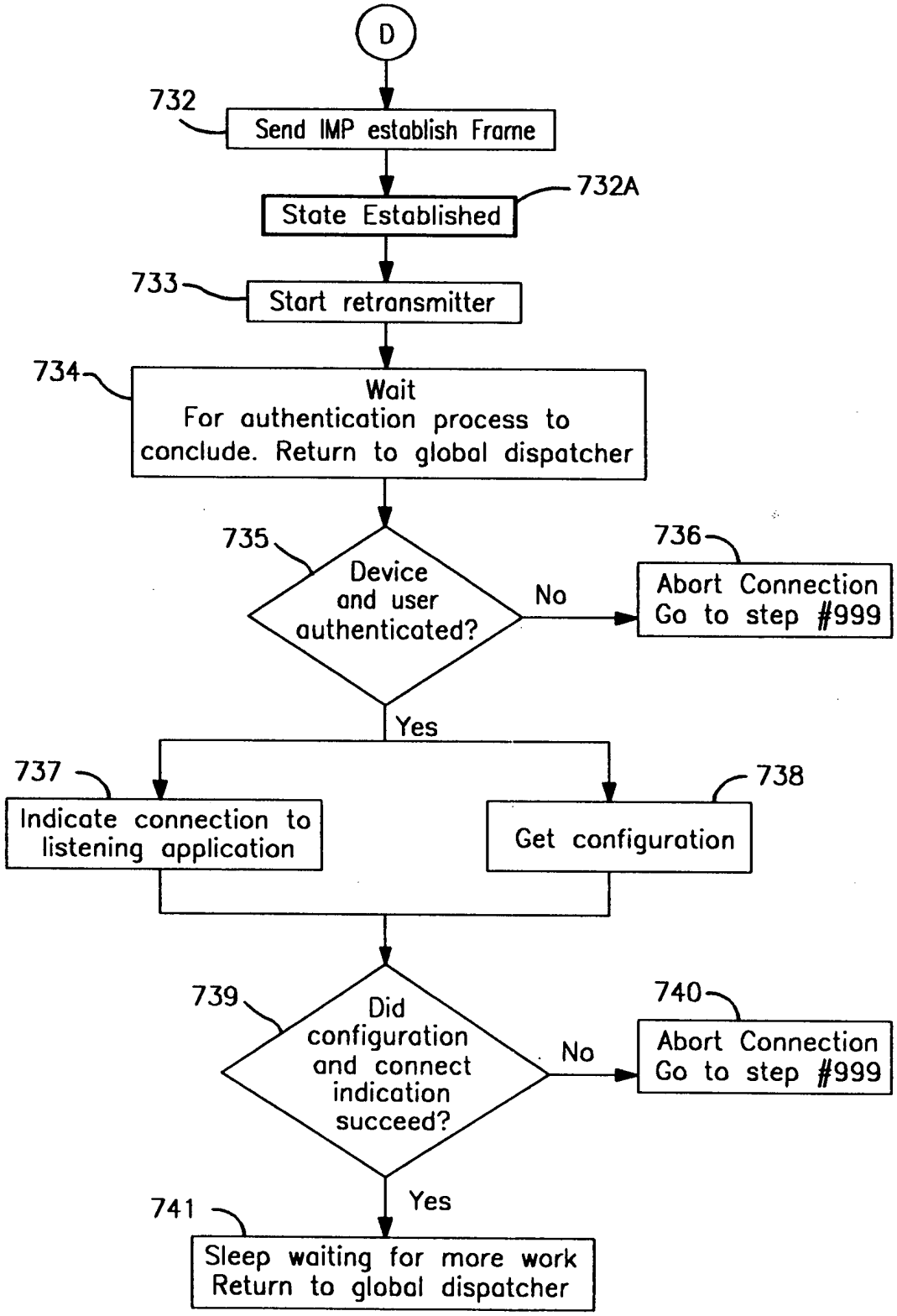


FIG. 14B

SEP 13 2002
PATENT & TRADEMARK OFFICE

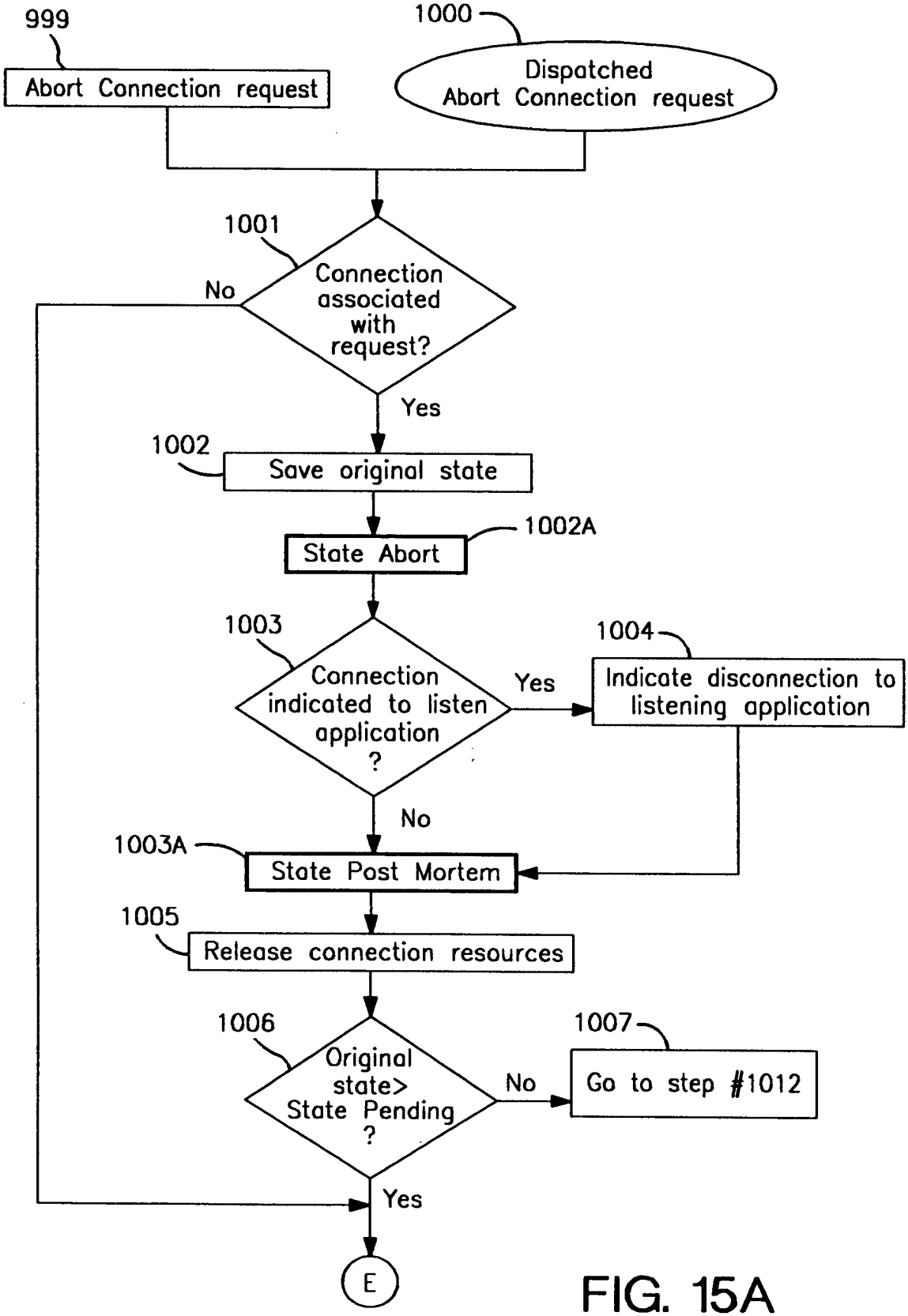


FIG. 15A

Abort Connection request logic

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE

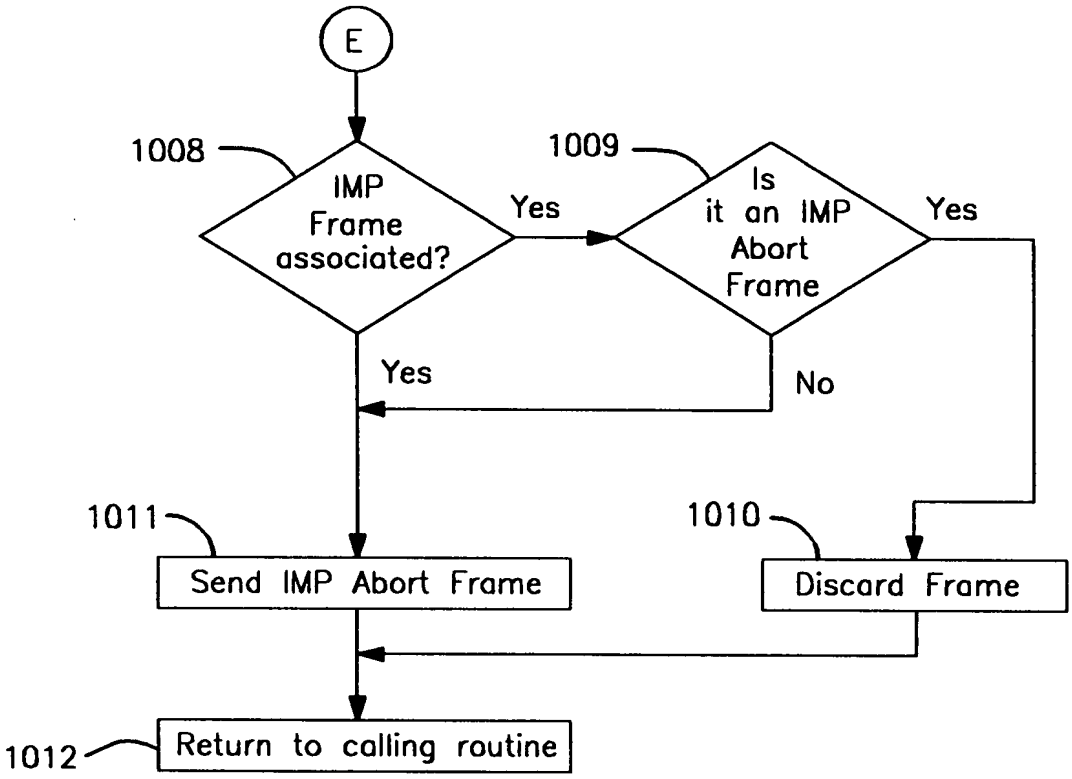


FIG. 15B

PATENT & TRADEMARK OFFICE
SEP 13 2002
OIPE
JC99

Inventor: HANSON et al.
SN 09/660,500/Sheet 29 of 38
Atty. Dkt.: 3978-2

902

Socket:

servers	*linked list of server*
xid	*integer transaction ID number*
ping	*counter*
timeout	*time-out value that can be backed off*

904

Server:

next	*pointer to next server*
serverID	*IP Address of a DHCP server*
giaddr	*BOOTP Relay agent recently associated with this server*
ping	*c.f. socket ->ping*
new	*flag*

FIG. 16

DHCP Listener Data Structures

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE

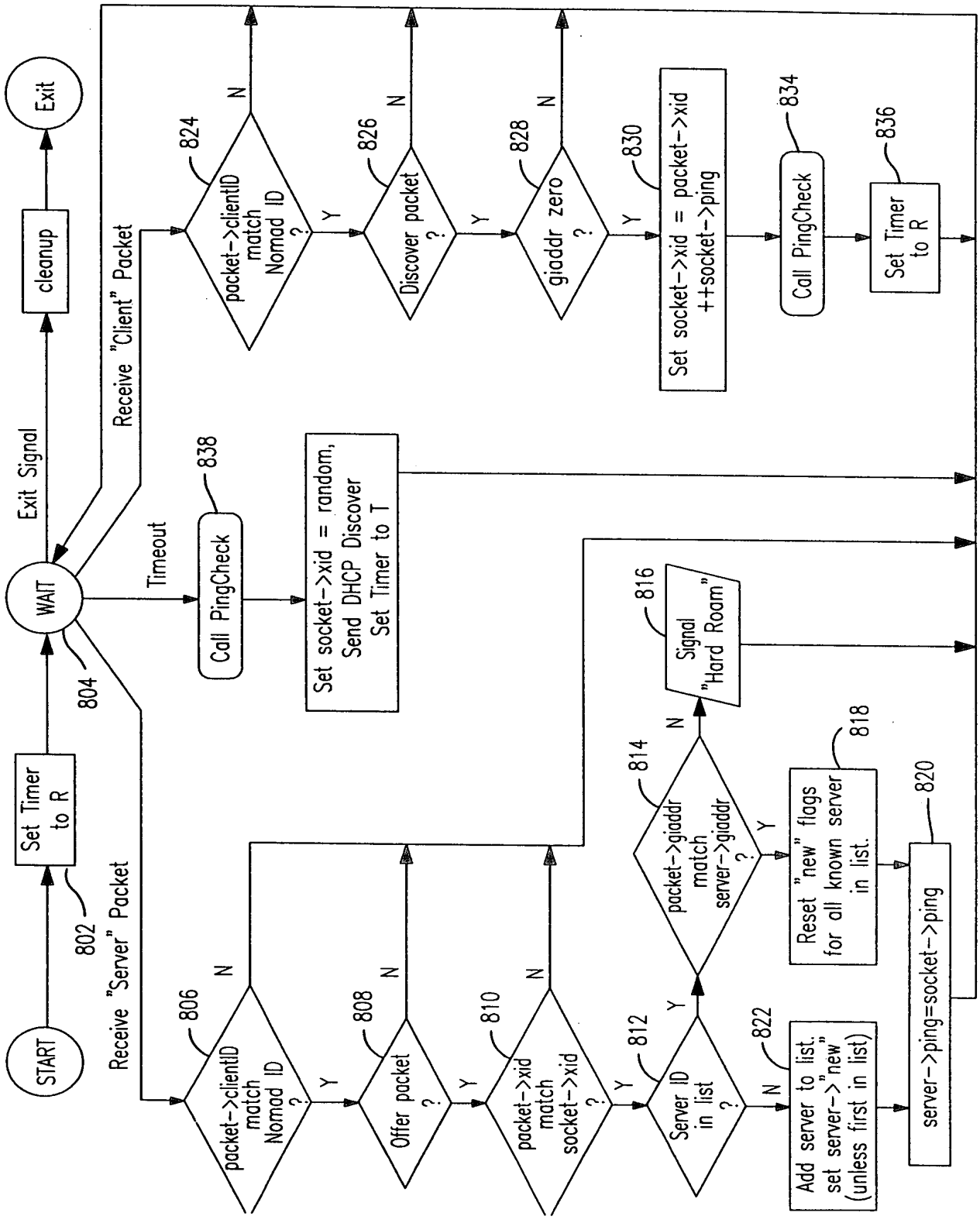
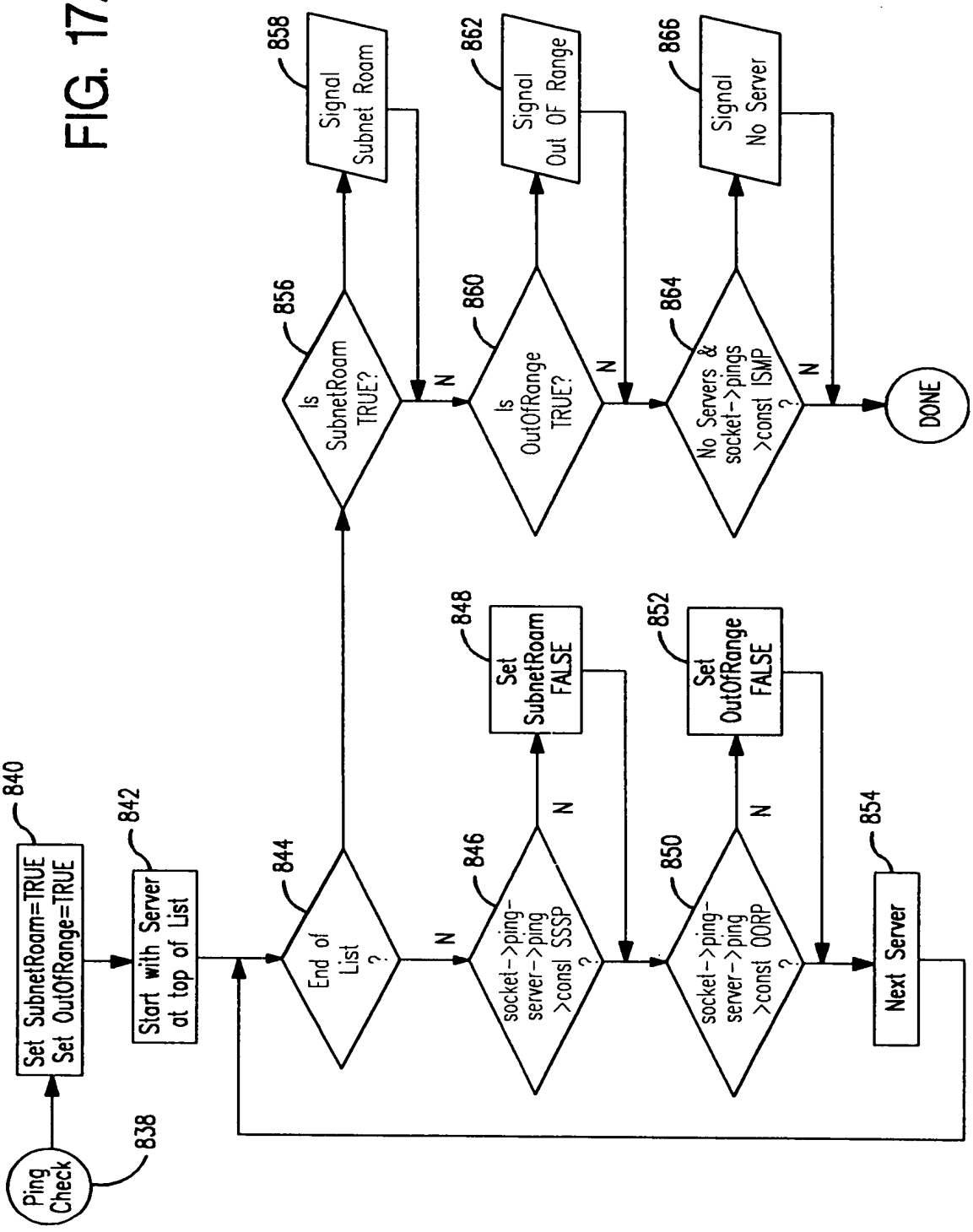


Fig. 17

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE

FIG. 17A



PATENT & TRADEMARK OFFICE
SEP 13 2002
O I P E

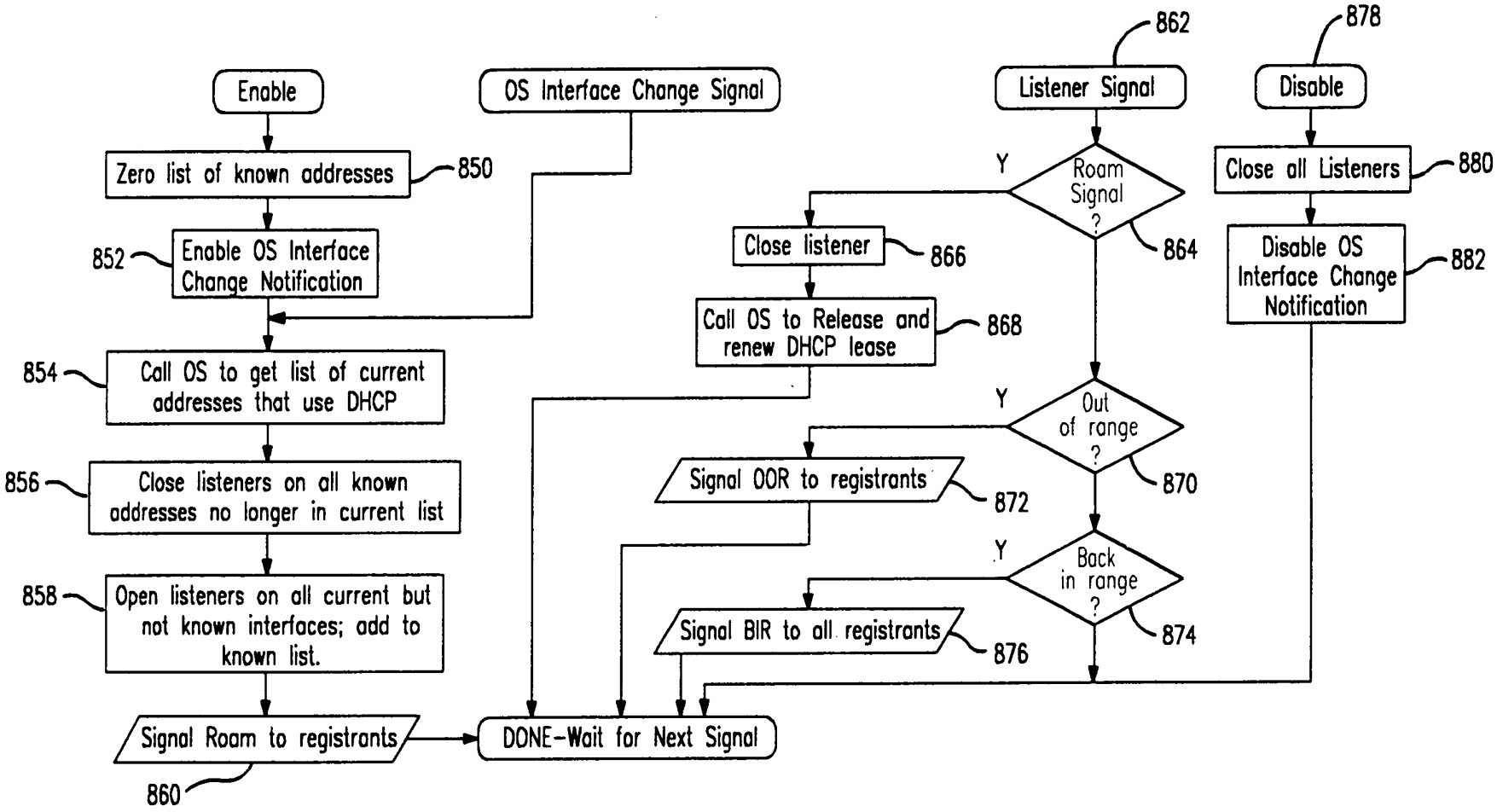


FIG. 18

ROAMING CONTROL CENTER-
Mobile End System

Inventor: HANSON et al.
SN 09/660,500/Sheet 32 of 38
Atty. Dkt.: 3978-2

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE

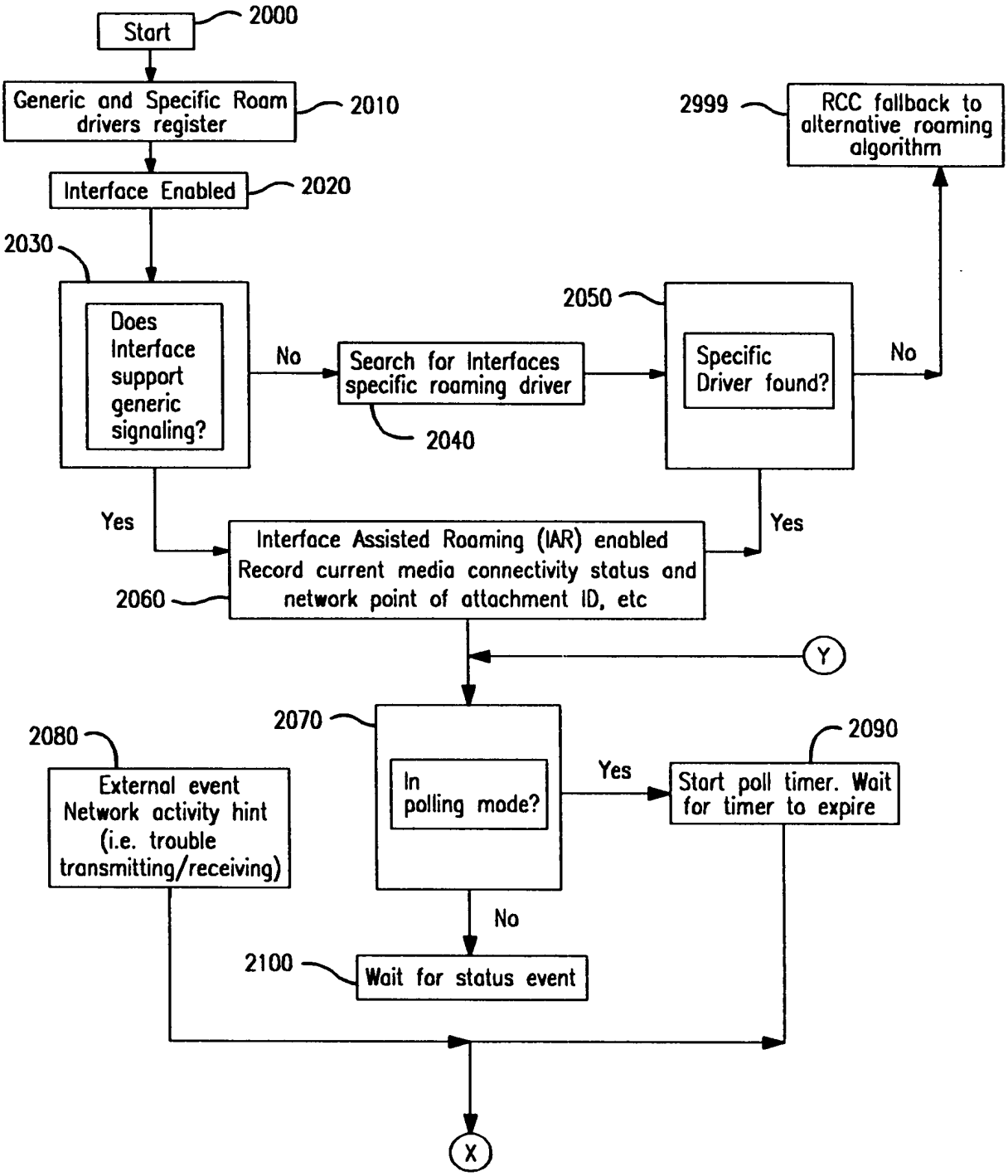
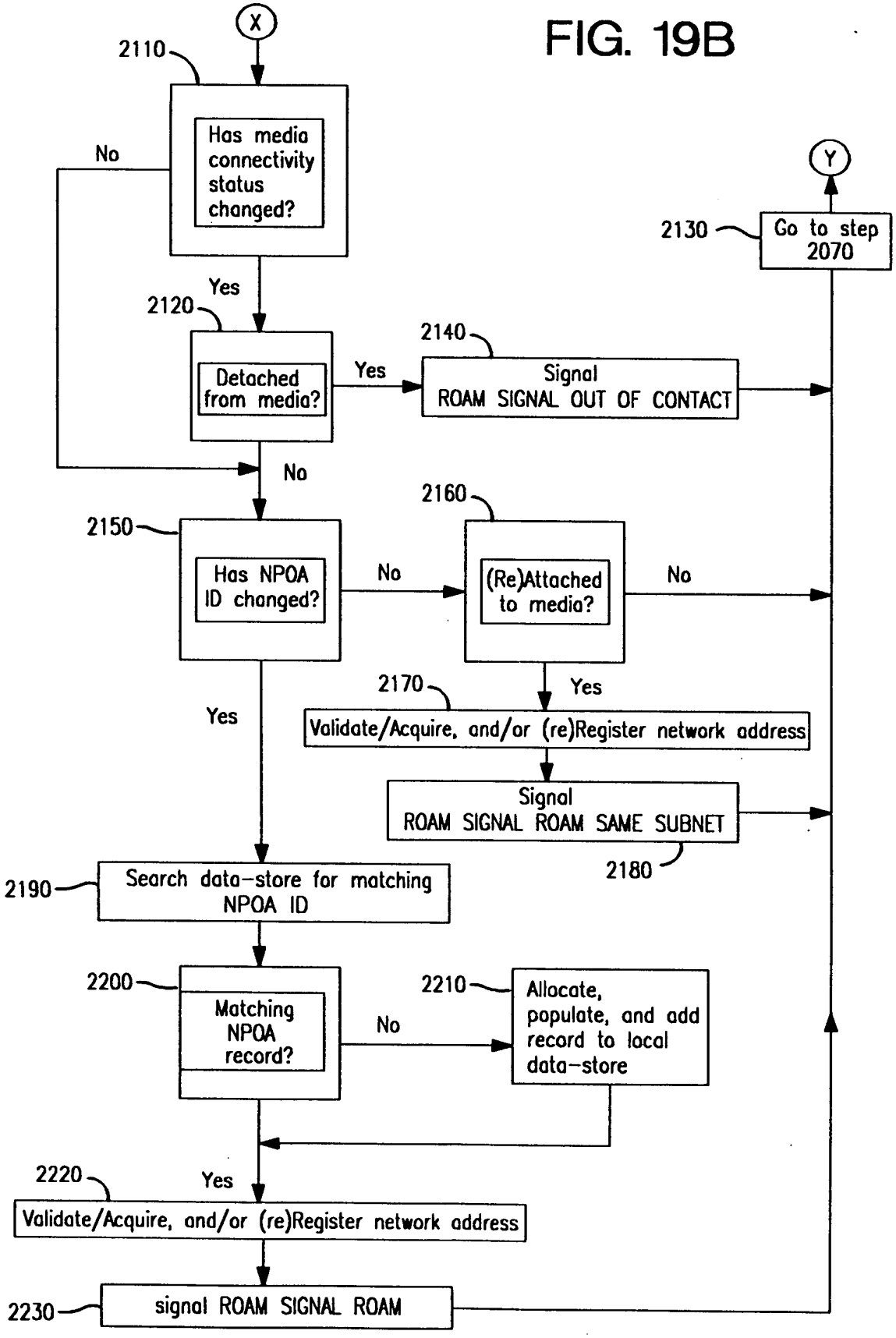


FIG. 19A

Interface Assisted Roaming (IAR) Decision Tree

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE

FIG. 19B



PATENT & TRADEMARK OFFICE
SEP 13 2002
O I P E
JC89

Next Table Element	Previous Table Element	NPOA Unique Identifier	Network Level Address	Network Mask	Flags (i.e. Static Dynamic, etc.)	Timeout	Etc.

Next Table Element	Previous Table Element	NPOA Unique Identifier	Network Level Address	Network Mask	Flags (i.e. Static Dynamic, etc.)	Timeout	Etc.

•
•
•

Next Table Element	Previous Table Element	NPOA Unique Identifier	Network Level Address	Network Mask	Flags (i.e. Static Dynamic, etc.)	Timeout	Etc.

FIG. 20

Interface Assisted Roaming
Topology Node

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE

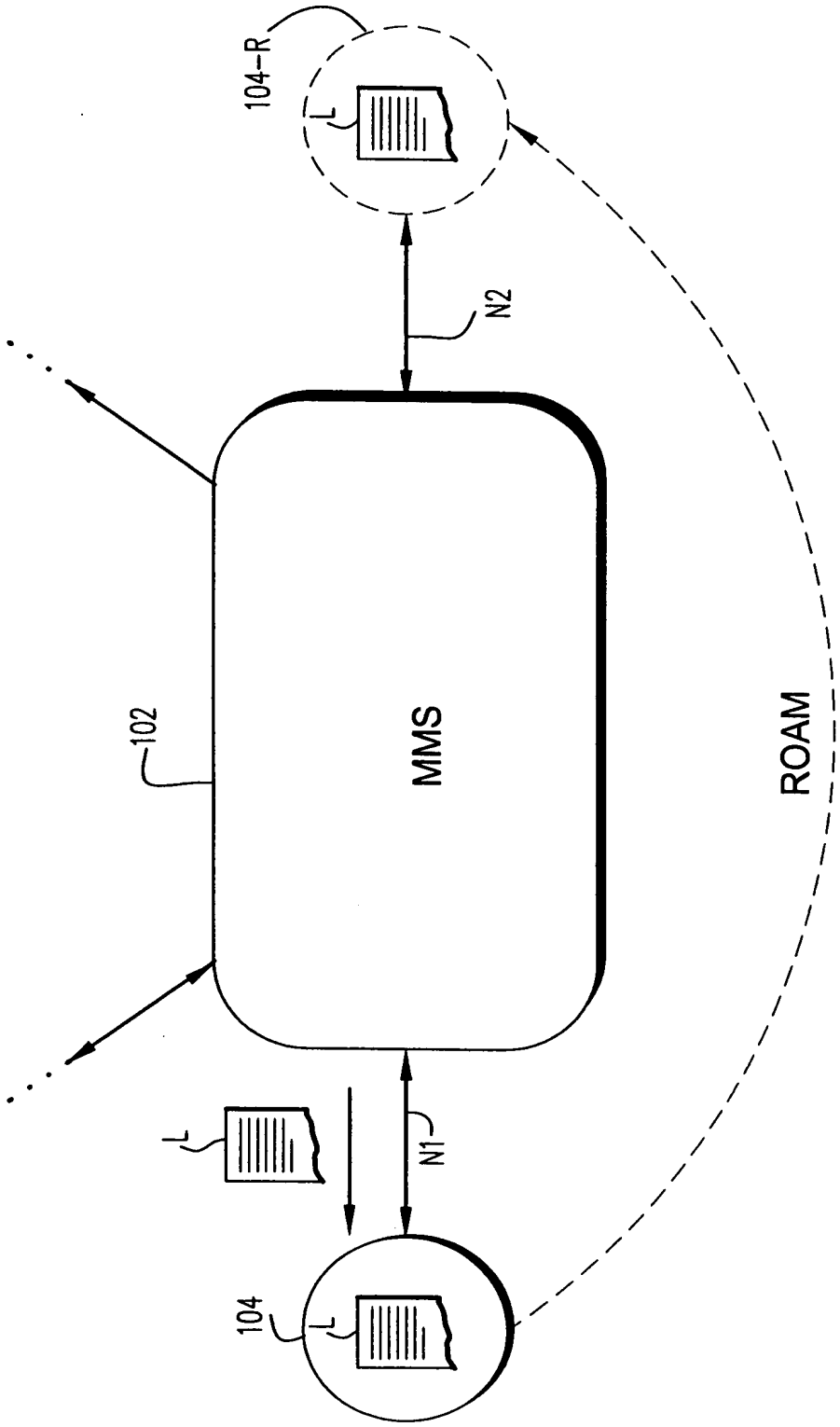


Fig.21

Disjoint network Roaming

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE

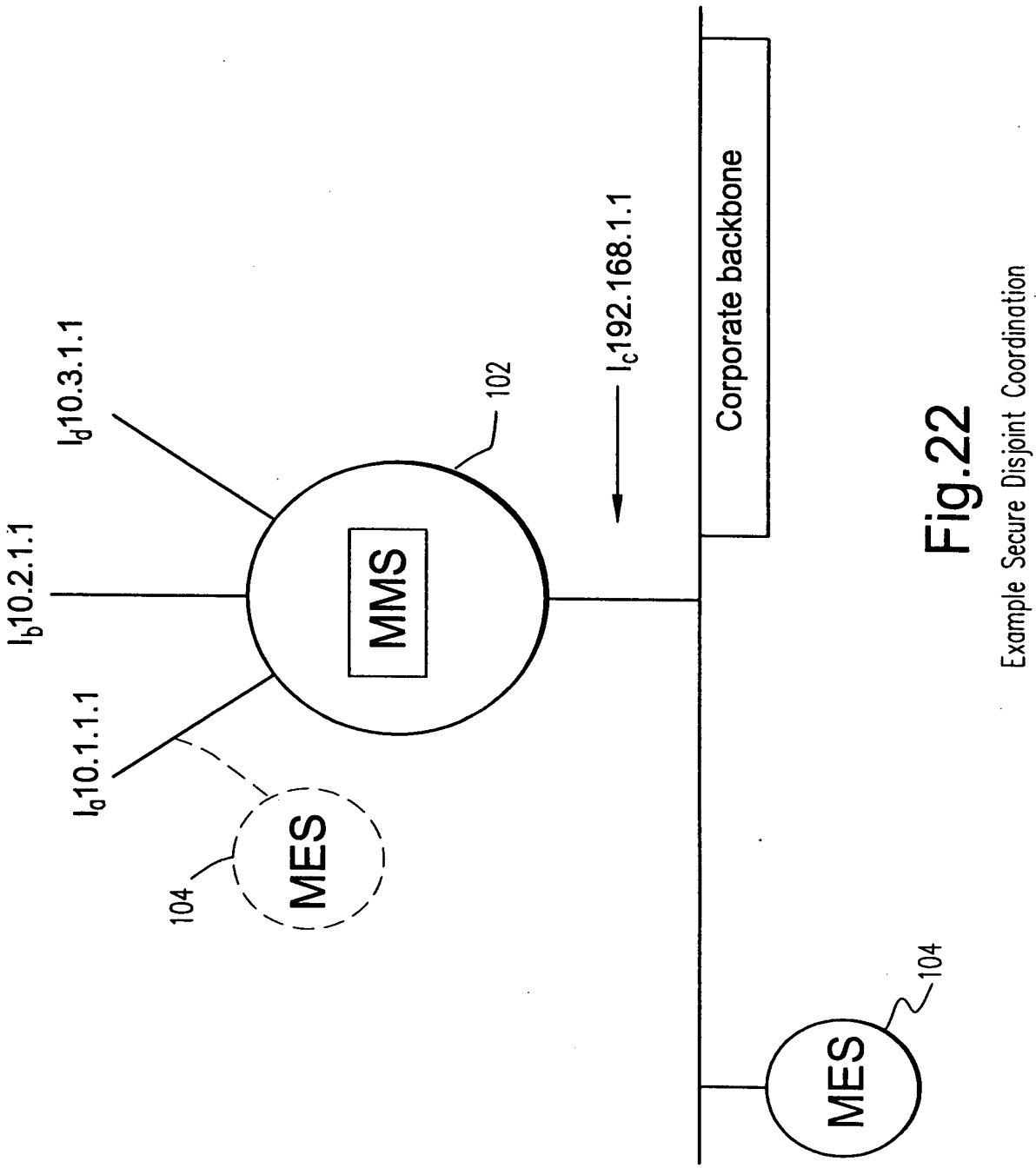


Fig.22

Example Secure Disjoint Coordination

OIPE
SEP 1 3 2002
PATENT & TRADEMARK OFFICE

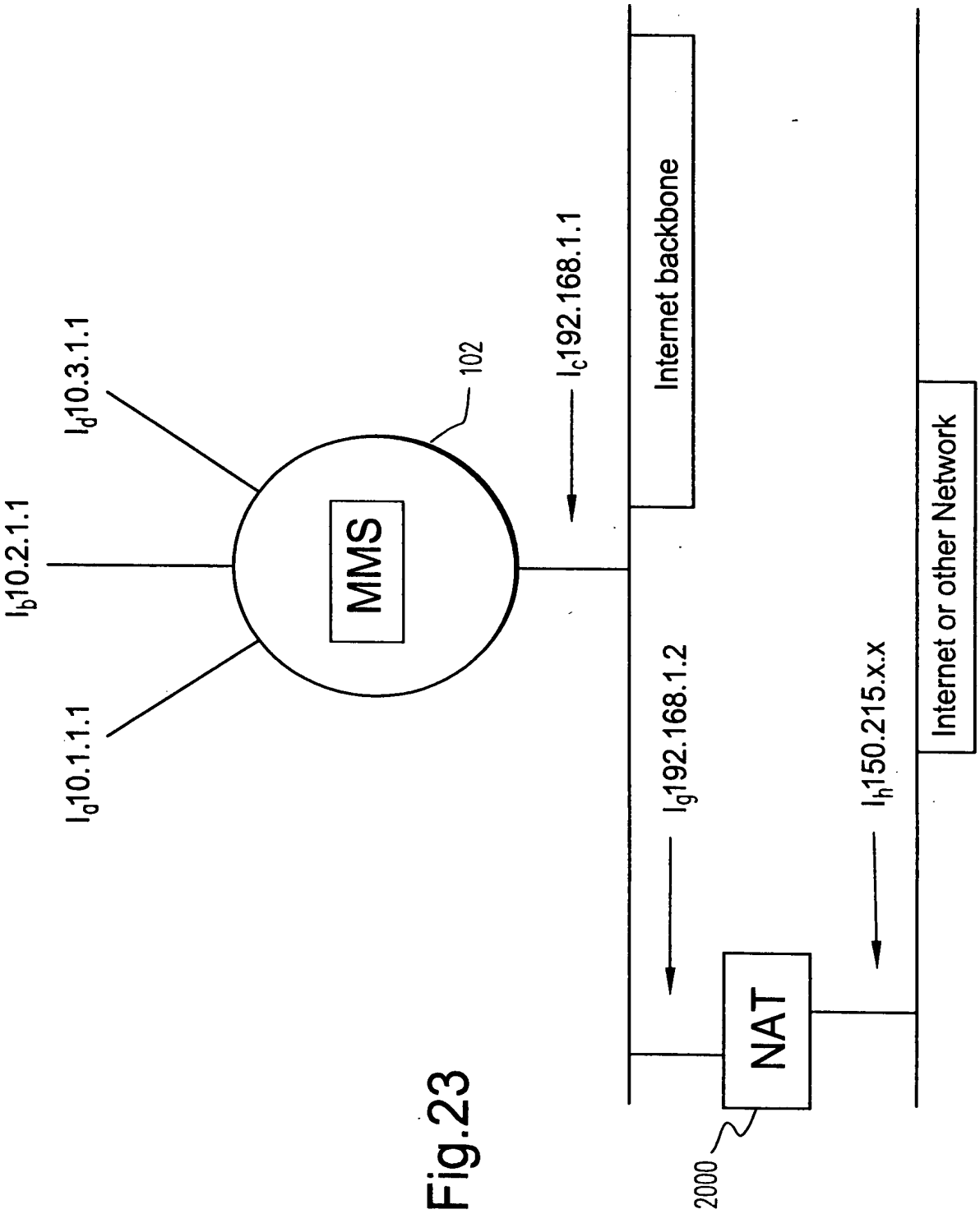


Fig.23